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Anti-InfluenzaA Virus
Nucleoprotein Monoclonal Antibodies

39 clones

Updated on July 15, 2015

Table 1. Essential Characteristics of BMR Anti-Influenza **A** Virus Nucleoprotein Monoclonal Antibodies (Grouping order)

Updated on June 15, 2015

	BMR Cat. No	Clone No.	Mouse Ig Isotype	Reactivity in BMR CELIXSYS* method (%) IgG conc.=1μg/mL																													Western blot (ECL) IgG conc.=10ug/ml		
				Inactivated virus **											Cultured virus ***							Embryonated egg-cultured virus															
				H1N1					H3N2						H1N1				H3N2			H1N1		H3N2		H2N2	H4N6	H5N3	H6N5	H7N7	H8N4	H9N2	H10N7	H11N6	H12N5	H13N6	H14N5	H15N8	Detection=ECL Negative: − Positive : + ～ +++		
				A/Solomon Islands /3/2006	A/California pdm /07/2009	A/Taiwan /1/86 (8IN73)	A/Beijing /262/95 (8IN73-2)	A/New Caledonia /20/99 (8IN73-3)	A/Hiroshima/ 52/2005	A/Victoria /210/2009	A/Texas/50/ 2012	A/Shangdong /9/93 (8IN74)	H3N2 A/Panama /2007/99 8IN74-1	A/Kiev /301/94 (8IN74-2)	1	2	3	Swine Pandemic	4	5	6	A/New Calednia/20/ 93	A/Yamagata/ 32/89	A/Panama/ 2007/99	A/Wyoming/ 13/03	A/Adachi/ 1/57	A/Duck/ Czechoslovakia /1/56	A/Duck/ Hongkong /820/80	A/Shearwater/ Australia/ 1/72	A/Tufted duck/ Shimane/ 124R/80	A/Turkey/ Ontario/ 6188/68	A/Turkey/ Wisconsin/66	A/Chicken/ Germany/N/49	A/Duck/ England/56	A/Duck/ Alberta/60/76	A/Gull/ Maryland/ 704/77	A/Mallard/ Astrakhan/ 263/82	A/Duck/ Australia/ 341/83	H1N1:Virus A/Solomon Islands /3/200	H1N1 : NP Recombinant Full length GST+1～498	H1N1 : NP Recombinant Fragment GST+59-130aa
1	BMRia042	**F1A-3298**	IgG1	97	96	98	100	100	99	99	99	99	90	99	100	100	100	100	98	98	99	100	99	99	99	98	100	100	100	100	100	100	100	100	99	100	+	+	−
2	BMRia024	**FOA-167**	IgG2a	99	99	98	99	99	100	99	99	99	90	99	99	100	100	99	99	100	100	99	100	99	99	100	100	100	100	99	100	100	100	100	100	100	+++	+++	−
3	BMRia048	**F1A-2088**	IgG1	97	95	98	99	99	99	98	99	99	88	98	99	99	99	99	98	97	99	100	100	99	99	100	100	100	99	99	100	100	100	100	100	100	99	100	++	++	−
4	BMRia023	**FOA-38**	IgG2a	86	84	93	99	98	92	89	80	93	75	93	92	93	90	97	96	96	95	99	98	94	99	96	99	98	99	98	95	99	99	99	99	99	98	97	+	+	−
5	BMRia026	**FOA-1258**	IgG2a	85	84	91	98	97	92	87	82	92	74	92	94	94	92	97	96	95	94	99	97	92	99	99	99	98	99	97	98	99	99	99	99	99	99	97	+	+	−
6	BMRia040	**F1A-2260**	IgG2a	92	91	92	98	96	96	93	80	94	73	94	77	82	77	87	96	94	97	43	0	22	37	99	99	99	99	98	99	99	99	99	99	96	99	98	+	+	−
7	BMRia038	**F1A-1632**	IgG2a	90	88	92	98	97	96	91	94	91	70	92	76	81	76	81	94	94	96	97	79	93	97	98	99	98	99	97	99	99	99	99	99	99	99	97	+	+	−
8	BMRia044	**F1A-3858**	IgG2b	88	87	91	97	96	94	90	92	91	72	92	88	91	89	83	95	94	97	96	81	94	95	99	99	98	99	97	98	99	99	99	99	99	99	97	+	+	−
9	BMRia037	**F1A-1551**	IgG1	90	90	91	97	96	96	92	83	91	71	91	80	82	79	71	94	90	96	57	29	32	57	97	98	95	98	93	98	98	98	97	98	96	98	87	+	+	−
10	BMRia033	**F1A-860**	IgG2a	92	91	93	98	98	96	94	95	92	61	91	39	47	44	60	92	92	97	98	19	94	97	98	98	98	97	97	97	97	95	96	98	17	98	91	+	+	−
11	BMRia028	**FOA-1458**	IgG2a	91	90	93	96	98	96	92	99	90	45	86	94	95	94	55	90	91	96	99	41	98	99	99	99	98	99	98	98	99	99	98	98	99	99	96	+	+	−
12	BMRia039	**F1A-2121**	IgG2b	88	86	91	97	96	94	90	94	93	59	88	94	95	95	89	83	81	87	90	75	70	88	99	99	98	99	97	98	98	98	97	99	98	98	85	+	+	−
13	BMRia015	**FLA-701**	IgG2a	85	86	84	92	90	92	88	88	90	75	94	85	83	82	83	95	94	95	89	92	94	87	98	98	97	98	95	98	99	97	98	98	92	98	98	+	+	−
14	BMRia016	**FLA-824**	IgG1	97	97	98	99	99	99	99	99	97	79	98	96	96	97	82	84	80	83	99	99	98	99	99	97	93	94	93	97	97	98	94	97	87	97	82	++	++	−
15	BMRia051	**F2A-3145**	IgG1	99	99	98	100	99	100	99	99	98	79	98	95	95	95	80	95	95	98	97	98	82	95	100	95	92	99	89	96	95	96	92	96	97	95	99	+	+	−
16	BMRia030	**FOA-2212**	IgG2a	96	96	95	97	97	99	97	98	97	74	95	95	96	96	62	90	86	88	95	99	79	95	99	93	94	99	88	96	94	96	91	95	96	95	99	+	+	−
17	BMRia045	**F1A-1324**	IgG1	99	99	98	100	99	100	99	99	98	80	99	94	95	94	83	94	93	96	99	99	88	99	99	82	81	97	72	88	85	87	80	87	92	87	97	+	+	−
18	BMRia036	**F1A-1225**	IgG2b	99	99	98	99	99	99	99	99	98	77	98	95	95	95	61	89	85	89	99	99	84	99	99	86	82	99	76	91	88	89	84	89	91	89	99	+	+	−
19	BMRia019	**FLA-1481**	IgG2a	97	97	95	98	97	99	98	99	98	82	96	78	77	74	71	96	97	98	94	98	92	95	99	84	82	91	75	87	85	86	78	88	91	87	92	+	+	−
20	BMRia055	**F2A-6032**	IgG2a	97	96	94	97	97	99	97	98	94	55	95	85	87	87	47	70	61	72	98	99	82	96	99	66	68	96	56	77	67	70	61	73	81	75	97	+	+	−
21	BMRia053	**F2A-4430**	IgG1	96	96	91	92	93	98	98	98	90	55	91	89	88	88	49	76	70	76	86	95	45	81	99	75	74	98	68	82	77	76	70	83	87	83	98	+	+	−
22	BMRia052	**F2A-3615**	IgG2b	98	98	97	98	97	99	99	99	94	62	94	86	87	87	47	78	76	79	97	98	64	95	99	71	70	95	62	80	73	75	66	79	85	79	96	+	+	−
23	BMRia032	**F1A-805**	IgG2b	97	98	95	97	96	99	98	95	93	57	95	84	85	85	35	76	67	68	87	95	30	85	99	61	60	95	54	74	64	65	54	69	77	70	96	+	+	−
24	BMRia050	**F2A-2426**	IgG2b	97	97	97	98	98	99	99	99	93	62	94	86	85	84	42	75	72	75	97	99	62	96	98	64	64	92	52	75	67	70	57	71	81	73	94	+	+	−
25	BMRia049	**F2A-2189**	IgG2a	97	97	95	93	97	99	98	99	92	53	93	75	75	73	49	65	54	66	97	99	75	96	98	70	68	92	60	79	76	77	67	77	85	78	92	+	+	−
26	BMRia013	**FLA-517**	IgG2a	96	96	93	96	96	98	97	97	90	59	91	72	73	70	49	81	73	79	94	98	65	95	98	65	66	87	55	76	68	69	60	73	81	74	88	+	+	−
27	BMRia017	**FLA-859**	IgG2a	94	95	93	98	98	98	97	97	4	40	4	40	41	37	81	67	59	72	96	51	3	94	84	100	99	99	98	99	100	99	99	99	100	100	88	++	+++	−
28	BMRia002	**FLA-893**	IgG2a	93	94	82	89	88	97	94	92	65	59	67	53	53	53	60	81	76	82	67	55	68	65	79	97	95	97	93	88	98	87	96	97	98	97	98	+	+	−
29	BMRia046	**F1A-1528**	IgG2a	49	61	91	96	94	69	70	50	91	77	94	99	98	98	97	98	97	97	84	77	86	84	97	98	93	97	94	96	98	98	98	98	98	97	95	++	++	−
30	BMRia034	**F1A-903**	IgG2b	39	57	84	94	94	60	65	40	90	71	90	98	97	97	95	95	94	95	89	84	86	90	97	97	91	97	92	95	98	96	97	98	98	96	92	++	++	−
31	BMRia054	**F2A-6001**	IgG2a	53	68	87	95	93	72	76	45	91	75	93	98	97	96	94	97	96	96	82	76	83	82	97	98	93	97	94	97	98	94	97	97	93	96	95	+	+	−
32	BMRia047	**F1A-1811**	IgG2a	15	31	76	91	88	35	41	23	83	72	88	97	96	95	95	96	95	94	71	55	67	75	93	96	87	93	86	92	95	93	94	95	94	90	89	+	+	−
33	BMRia043	**F1A-3632**	IgG2a	12	23	52	70	61	24	28	43	61	52	70	96	95	95	92	95	94	95	79	78	81	79	79	81	78	77	72	84	82	82	75	83	83	78	79	+	+	−
34	BMRia014	**FLA-553**	IgG2a	98	99	95	99	99	100	99	99	37	83	53	79	78	75	96	100	99	99	100	73	99	100	53	93	93	96	83	64	91	62	92	95	92	98	96	+++	+++	−
35	BMRia041	**F1A-2839**	IgG2a	98	98	96	99	97	99	99	98	68	78	79	47	46	43	77	100	99	99	99	33	97	98	95	97	96	98	92	80	93	80	96	97	97	98	79	++	++	−
36	BMRia029	**FOA-1505**	IgG2a	98	98	93	99	98	99	99	99	71	77	79	43	49	44	75	100	100	100	99	41	99	99	90	96	94	96	91	78	94	69	95	96	98	96	69	++	++	−
37	BMRia025	**FOA-791**	IgG2a	97	97	90	99	99	99	99	98	54	75	68	32	32	26	65	99	99	99	99	33	96	99	90	96	94	97	91	78	91	75	95	96	98	97	72	++	++	−
38	BMRia027	**FOA-1305**	IgG2a	43	53	71	83	84	65	63	3	74	63	79	61	66	53	44	79	67	56	61	53	56	60	88	90	82	83	72	84	92	91	87	90	86	86	80	+	+	−
39	BMRia031	**FOA-2796**	IgG2a	48	59	74	86	88	70	68	6	73	65	81	52	53	44	30	68	55	37	57	46	46	54	84	92	81	86	77	91	93	93	89	93	89	89	86	+	+	−
Control	Commercial clone	**Medix: #7304**	IgG2a	83	80	60	66	70	90	86	95	93	43	94	79	73	72	0	18	0	11	65	81	19	61	98	0	0	0	0	8	0	0	0	0	0	0	16	+	+	−
Control	Commercial clone	**Medix: #7305**	IgG2a	10	14	48	44	73	26	23	11	72	45	71	56	47	47	40	44	40	41	90	97	97	90	76	61	34	60	33	54	62	54	40	63	63	62	51	+	+	−
Control	Commercial clone	**Medix: #7307**	IgG1	96	97	93	97	97	99	97	99	91	83	91	95	96	96	60	92	91	94	97	99	97	97	98	76	83	80	67	39	76	34	67	82	84	87	62	++	++	−
Control	Commercial clone	**Fitz.:M2110169**	IgG2a	92	93	68	77	80	97	95	99	92	87	98	78	77	76	65	98	98	99	80	95	98	80	99	71	71	82	64	83	75	80	67	79	86	80	87	+	+	−

* The CELIXSYS method is an immuno-precipitation-equivalent method. The figure (expressed in %) represents the strength of reactivity of monoclonal antibodies to each Influenza A subtype nucleoprotein. The higher the figure, the stronger the reactivity of the antibody.
** Inactivated virus: treated with formaldehyde; some epitopes may be altered or destroyed.
*** Cultured virus: treated with detergent and solubilized.

Summary of Technical Data Sheet for BMR Anti-Influenza A Monoclonal Antibody

List of headings	1	2	3	4
BMR Catalog No.	**BMRia002**	**BMRia013**	**BMRia014**	**BMRia015**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**FLA-893**	**FLA-517**	**FLA-553**	**FLA-701**
Isotype	IgG2a	IgG2a	IgG2a	IgG2a
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Solomon Island/3/2006(H1N1)	Inactivated Influenza A virus: A/Solomon Island/3/2006(H1N1)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications			Sandwich ELISA, Western blotting	Sandwich ELISA
Usage Recommendations			Detector antibody: paired with capture antibodies, F1A-2121, F1A-2260 or FOA-1258	Capture antibody: paired with detector antibody FOA-167
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information			The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.	The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.
Additional Information			The sandwich ELISA method was performed by the avidin-biotin system.	The sandwich ELISA method was performed by the avidin-biotin system.

NA: Not assayed 39 clones

Method of Purification: Protein G affinity purification for small sample preparation, and protein A affinity purification for larger scale manufacture.

List of headings		5		6
BMR Catalog No.	**BMRia016**	**BMRia017**	**BMRia019**	**BMRia023**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**FLA-824**	**FLA-859**	**FLA-1481**	**FOA-38**
Isotype	IgG1	IgG2a	IgG2a	IgG2a
Lot Number	MM48054	Depend on the purification Lot	MM48054	Depend on the purification Lot
Concentration	5.2 mg/mL	1～5 mg/mL depending on the purification Lot.	5.3 mg/mL	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A affinity purification	Protein A or G affinity purification	Protein G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.09% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein G purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.09% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications	Immunochromatography		Immunochromatography	
Usage Recommendations				
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.09% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information				
Additional Information				

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	7	8	9	10
BMR Catalog No.	**BMRia024**	**BMRia025**	**BMRia026**	**BMRia027**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**FOA-167**	**FOA-791**	**FOA-1258**	**FOA-1305**
Isotype	IgG2a	IgG2a	IgG2a	IgG2a
Lot Number	FOA167-001	Depend on the purification Lot	FOA1258-002	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein G affinity purification	Protein A or G affinity purification	Protein G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications	Sandwich ELISA, Western blotting		Sandwich ELISA	
Usage Recommendations	Detector antibody: paired with capture antibodies, FLA-701, FOA-1258, F1A-2260 or F1A-2121		Capture antibody: paired with detector antibodies FOA-167 or FLA-553	
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information	The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.		The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.	
Additional Information	The sandwich ELISA method was performed by the avidin-biotin system.		The sandwich ELISA method was performed by the avidin-biotin system.	

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	11	12	13	14
BMR Catalog No.	**BMRia028**	**BMRia029**	**BMRia030**	**BMRia031**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**FOA-1458**	**FOA-1505**	**FOA-2212**	**FOA-2796**
Isotype	IgG2a	IgG2a	IgG2a	IgG2a
Lot Number	Depend on the purification Lot	Depend on the purification Lot	FOA2212-001	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications				
Usage Recommendations				
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information				
Additional Information				

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	15	16	17	18
BMR Catalog No.	**BMRia032**	**BMRia033**	**BMRia034**	**BMRia036**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**F1A-805**	**F1A-860**	**F1A-903**	**F1A-1225**
Isotype	IgG2b	IgG2a	IgG2b	IgG2b
Lot Number	Depend on the purification Lot	Depend on the purification Lot	F1A903-001	F1A1225-003
Concentration	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein G affinity purification	Protein A affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3	Protein A purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications				
Usage Recommendations				
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information				
Additional Information				

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	19	20	21	22
BMR Catalog No.	**BMRia037**	**BMRia038**	**BMRia039**	**BMRia040**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**F1A-1551**	**F1A-1632**	**F1A-2121**	**F1A-2260**
Isotype	IgG1	IgG2a	IgG2b	IgG2a
Lot Number	Depend on the purification Lot	Depend on the purification Lot	F1A2121-002	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	3.8 mg/mL	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications			Sandwich ELISA	Sandwich ELISA
Usage Recommendations			Capture antibody: paired with detector antibodies FLA-553 or FOA-167	Capture antibody: paired with detector antibodies FOA-167 or FLA-553
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information			The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.	The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.
Additional Information			The sandwich ELISA method was performed by the avidin-biotin system.	The sandwich ELISA method was performed by the avidin-biotin system.

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	23	24	25	26
BMR Catalog No.	**BMRia041**	**BMRia042**	**BMRia043**	**BMRia044**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**F1A-2839**	**F1A-3298**	**F1A-3632**	**F1A-3858**
Isotype	IgG2a	IgG1	IgG2a	IgG2b
Lot Number	Depend on the purification Lot	MM48223	Depend on the purification Lot	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	5.1 mg/mL	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A affinity purification	Protein A or G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications		Immunochromatography: conjugate Ab		
Usage Recommendations		Detector (conjugate) antibody: paired with capture (membrane) antibody F2A-6001		
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information		The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.		
Additional Information		The immunochromatography method was conducted using clone F1A-3298 conjugated with colloidal gold paired with clone F2A-6001 sensitized on a membrane.		

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	27	28	29	30
BMR Catalog No.	**BMRia045**	**BMRia046**	**BMRia047**	**BMRia048**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**F1A-1324**	**F1A-1528**	**F1A-1811**	**F1A-2088**
Isotype	IgG1	IgG2a	IgG2a	IgG1
Lot Number	Depend on the purification Lot	F1A1528-001	Depend on the purification Lot	F1A2088-005
Concentration	1～5 mg/mL depending on the purification Lot.	3.4 mg/mL	1～5 mg/mL depending on the purification Lot.	3.6 mg/mL
Immunogen	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein G affinity purification	Protein A or G affinity purification	Protein A affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications				
Usage Recommendations				
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information				
Additional Information				

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	31	32	33	34
BMR Catalog No.	**BMRia049**	**BMRia050**	**BMRia051**	**BMRia052**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**F2A-2189**	**F2A-2426**	**F2A-3145**	**F2A-3615**
Isotype	IgG2a	IgG2b	IgG1	IgG2b
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein A or G affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications				
Usage Recommendations				
Contaminants	NA	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA	NA
Bioactivity	NA	NA	NA	NA
Assay Information				
Additional Information				

NA: Not assayed
Method of Purification: Protein G affinity

List of headings	35	36	37
BMR Catalog No.	**BMRia053**	**BMRia054**	**BMRia055**
Product Name	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody	Influenza A Virus (NP) Antibody
Description	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody	Mouse monoclonal Influenza A (Nucleoprotein) Antibody
Clone Number	**F2A-4430**	**F2A-6001**	**F2A-6032**
Isotype	IgG1	IgG2a	IgG2a
Lot Number	Depend on the purification Lot	MM48224	Depend on the purification Lot
Concentration	1～5 mg/mL depending on the purification Lot.	5.3 mg/mL	1～5 mg/mL depending on the purification Lot.
Immunogen	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
Host	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
Specificity	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
Cross Reactivity	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein	No cross reaction to Influenza B virus nucleoprotein
Affinity Constant	Not determined	Not determined	Not determined
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
Method of Purification	Protein A or G affinity purification	Protein A affinity purification	Protein A or G affinity purification
Size	1mg	1mg	1mg
Form & Buffer	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3	Protein A or Protein G purified and supplied as a liquid in **PBS(-)**; pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or **PBS;** pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
Storage	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
Applications		Immunochromatography: membrane Ab	
Usage Recommendations		Capture (membrane) antibody: paired with detector (conjugate) antibody F1A-3298	
Contaminants	NA	NA	NA
Biohazard Information	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.	This product contains 0.05% sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Endotoxin Levels	NA	NA	NA
Bioactivity	NA	NA	NA
Assay Information		The sandwich ELISA was tested using 5 strains of Influenza A viruses; 2 inactivated Influenza A viruses (A/Solomon Island/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)) and 3 cultured Influenza A viruses (H1N1, H3N2 and swine pandemic H1N1). These viruses were solubilized in PBS (pH7.4), containing 1% NP-40 and 1% BSA.	
Additional Information		The immunochromatography method was conducted using the clone F2A-6001 sensitized on a membrane paired with the clone F1A-3298 conjugated with colloidal gold.	

NA: Not assayed
Method of Purification: Protein G affinity

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia002
CLONE NUMBER:	**FLA-893**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia013
CLONE NUMBER:	**FLA-517**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2006(H1N1)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

This products is intended for research or manufacturing only. It is pharmaceutically unrefined, and verification of its suitability for use in humans or as clinical diagnostic reagents and the compliance with all the relevant laws or ordinances regulating such applications are the responsibility of the purchaser. There is no expressed or implied warranty. No liability is assumed for fitness or purpose and merchantability, or direct or consequential damages. The user name assumes as all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.
PERFORMANCE CHARACTERISTICS MAY DIFFER BY ASSAY SYSTEM.
USERS MUST ESTABLISH PERFORMANCE CHARACTERISTICS FOR THEIR PARTICULAR ASSAY.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia014
CLONE NUMBER:	**FLA-553**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2006(H1N1)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Sandwich ELISA, Western blotting
USAGE RECOMMENDATIONS:	Detector antibody: paired with capture antibodies, F1A-2121, F1A-2260 or FOA-1258
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia016
CLONE NUMBER:	**FLA-824**
SUBCLASS:	IgG1
LOT NUMBER:	MM48054
CONCENTRATION:	5.2 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.09% NaN3
PRESERVATIVE:	0.09% NaN_3
APPLICATIONS:	Immunochromatography
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia015
CLONE NUMBER:	**FLA-701**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Sandwich ELISA
USAGE RECOMMENDATIONS:	Capture antibody: paired with detector antibody FOA-167
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia017
CLONE NUMBER:	**FLA-859**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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PERFORMANCE CHARACTERISTICS MAY DIFFER BY ASSAY SYSTEM.
USERS MUST ESTABLISH PERFORMANCE CHARACTERISTICS FOR THEIR PARTICULAR ASSAY.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia019
CLONE NUMBER:	**FLA-1481**
SUBCLASS:	IgG2a
LOT NUMBER:	MM48054
CONCENTRATION:	5.3 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.09% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Immunochromatography
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia025
CLONE NUMBER:	**FOA-791**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia023
CLONE NUMBER:	**FOA-38**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
AFFINITY:	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.

CAUTION: Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia024
CLONE NUMBER:	**FOA-167**
SUBCLASS:	IgG2a
LOT NUMBER:	FOA167-001
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
AFFINITY:	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Sandwich ELISA, Western blotting
USAGE RECOMMENDATIONS:	Detector antibody: paired with capture antibodies, FLA-701, FOA-1258, F1A-2260 or F1A-2121
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia026
CLONE NUMBER:	**FOA-1258**
SUBCLASS:	IgG2a
LOT NUMBER:	FOA1258-002
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
AFFINITY:	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Sandwich ELISA
USAGE RECOMMENDATIONS:	Capture antibody: paired with detector antibodies FOA-167 or FLA-553
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia027
CLONE NUMBER:	**FOA-1305**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia028
CLONE NUMBER:	**FOA-1458**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia029
CLONE NUMBER:	**FOA-1505**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia030
CLONE NUMBER:	**FOA-2212**
SUBCLASS:	IgG2a
LOT NUMBER:	FOA2212-001
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia031
CLONE NUMBER:	**FOA-2796**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia032
CLONE NUMBER:	**F1A-805**
SUBCLASS:	IgG2b
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia033
CLONE NUMBER:	**F1A-860**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia034
CLONE NUMBER:	**F1A-903**
SUBCLASS:	IgG2b
LOT NUMBER:	F1A903-001
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia036
CLONE NUMBER:	**F1A-1225**
SUBCLASS:	IgG2b
LOT NUMBER:	F1A1225-003
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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PERFORMANCE CHARACTERISTICS MAY DIFFER BY ASSAY SYSTEM.
USERS MUST ESTABLISH PERFORMANCE CHARACTERISTICS FOR THEIR PARTICULAR ASSAY.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia037
CLONE NUMBER:	**F1A-1551**
SUBCLASS:	IgG1
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia038
CLONE NUMBER:	**F1A-1632**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia039
CLONE NUMBER:	**F1A-2121**
SUBCLASS:	IgG2b
LOT NUMBER:	F1A2121-002
CONCENTRATION:	3.8 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Sandwich ELISA
USAGE RECOMMENDATIONS:	Capture antibody: paired with detector antibodies FLA-553 or FOA-167
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia040
CLONE NUMBER:	**F1A-2260**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Sandwich ELISA
USAGE RECOMMENDATIONS:	Capture antibody: paired with detector antibodies FOA-167 or FLA-553
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia041
CLONE NUMBER:	**F1A-2839**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia042
CLONE NUMBER:	**F1A-3298**
SUBCLASS:	IgG1
LOT NUMBER:	MM48223
CONCENTRATION:	5.1 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Immunochromatography: conjugate Ab
USAGE RECOMMENDATIONS:	Detector (conjugate) antibody: paired with capture (membrane) antibody F2A-6001
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia043
CLONE NUMBER:	**F1A-3632**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia044
CLONE NUMBER:	**F1A-3858**
SUBCLASS:	IgG1
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	='FLU Ab technical data sheet'!AA17 (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
AFFINITY:	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia045
CLONE NUMBER:	**F1A-1324**
SUBCLASS:	IgG1
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia046
CLONE NUMBER:	**F1A-1528**
SUBCLASS:	IgG2a
LOT NUMBER:	F1A1528-001
CONCENTRATION:	3.4 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia047
CLONE NUMBER:	**F1A-1811**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia048
CLONE NUMBER:	**F1A-2088**
SUBCLASS:	IgG1
LOT NUMBER:	F1A2088-005
CONCENTRATION:	3.6 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/California/07/2009(H1N1) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia049
CLONE NUMBER:	**F2A-2189**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

This products is intended for research or manufacturing only. It is pharmaceutically unrefined, and verification of its suitability for use in humans or as clinical diagnostic reagents and the compliance with all the relevant laws or ordinances regulating such applications are the responsibility of the purchaser. There is no expressed or implied warranty. No liability is assumed for fitness or purpose and merchantability, or direct or consequential damages. The user name assumes as all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.
PERFORMANCE CHARACTERISTICS MAY DIFFER BY ASSAY SYSTEM.
USERS MUST ESTABLISH PERFORMANCE CHARACTERISTICS FOR THEIR PARTICULAR ASSAY.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia050
CLONE NUMBER:	**F2A-2426**
SUBCLASS:	IgG2b
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia051
CLONE NUMBER:	**F2A-3145**
SUBCLASS:	IgG1
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia052
CLONE NUMBER:	**F2A-3615**
SUBCLASS:	IgG2b
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia053
CLONE NUMBER:	**F2A-4430**
SUBCLASS:	IgG1
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia054
CLONE NUMBER:	**F2A-6001**
SUBCLASS:	IgG2a
LOT NUMBER:	MM48224
CONCENTRATION:	5.3 mg/mL (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A purified and supplied as a liquid in PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	Immunochromatography: membrane Ab
USAGE RECOMMENDATIONS:	Capture (membrane) antibody: paired with detector (conjugate) antibody F1A-3298
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.

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MONOCLONAL ANTIBODY DATA SHEET

PRODUCT:	**Influenza A Virus (NP) Antibody**
CATALOG NUMBER:	BMRia055
CLONE NUMBER:	**F2A-6032**
SUBCLASS:	IgG2a
LOT NUMBER:	Depend on the purification Lot
CONCENTRATION:	1～5 mg/mLdepending on the purification Lot. (A280nm, $E^{0.1\%}$=1.38)
HOST:	Host: Mouse. Hybridization of P3X63.Ag8.653 myeloma cells with spleen cells from BALB/c mice. Source: Ascites
IMMUNOGEN:	Inactivated Influenza A virus: A/Solomon Island/3/2005(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
SPECIFICITY:	Influenza A (Nucleoprotein), Influenza A Virus nucleoprotein (species specific conserved epitope)
CROSS REACTIVITY:	No cross reaction to Influenza B virus nucleoprotein
GRADE & PURITY:	In vitro use only. Purity is more than 95% (SDS-PAGE or UPLC)
39 clones	Not determined
FORM & BUFFER:	Protein A or Protein G purified and supplied as a liquid in PBS(-); pH7.4, 3mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4 and 0.05% NaN3 or PBS; pH7.4, 10mM (NaH2PO4 & Na2HPO4), 150mM NaCl, 0.05% NaN3
PRESERVATIVE:	0.05% NaN_3
APPLICATIONS:	
USAGE RECOMMENDATIONS:	
STORAGE:	Store at 4℃ for short term or -20℃ for longer storage. Avoid repeated freeze/thaw cycles.
CAUTION:	Not for use in humans or clinical diagnosis.