

Table 8. Essential Characteristic of Anti-Zika Virus NS1 Monoclonal Antibodies

Epitope Group	Cat No.	Clone No.	Mouse Ig Isotype	Reactivity in CELIXSYS* method (%) : Ab conc. = 10µg/mL							Ag-ELISA method (A490nm)								Epitope analysis based on antibody inhibition test on Ag-ELISA method		
				Native NS1 proteins							Recombinat Proteins								Inhibition ratio to each biotinylated antibody in %		
				ZIKV NS1		Cross Reactivity to other NS1 proteins					ZIKV NS1	Cross Reactivity to other NS1 proteins							ZK1-2486	ZK1-1726	ZK1-852
				Paraiba	RGN	DENV1	DENV2	DENV3	DENV4	JEV		DENV1	DENV2	DENV3	DENV4	JEV	WNV	YFV			
A	BMRzk024	ZK1-2508	IgG2a	98	96	0	2	0	0	5	3.571	0.051	0.049	0.050	0.049	0.053	0.074	0.049	89	95	4
	BMRzk015	ZK1-1690	IgG1	85	73	0	2	0	0	0	3.022	0.053	0.049	0.050	0.049	0.049	0.073	0.048	91	97	6
	BMRzk014	ZK1-1589	IgG1	82	83	4	3	0	3	0	2.522	0.049	0.047	0.048	0.047	0.048	0.063	0.048	88	96	7
	BMRzk012	ZK1-1303	IgG1	82	82	5	3	5	2	0	2.206	0.048	0.046	0.046	0.046	0.047	0.057	0.046	94	99	8
	BMRzk023	ZK1-2486	IgG2b	91	90	0	1	0	0	3	3.718	0.054	0.049	0.048	0.048	0.050	0.157	0.049	93	69	2
	BMRzk017	ZK1-1726	IgG1	76	80	2	3	1	0	0	1.984	0.046	0.046	0.046	0.058	0.053	0.053	0.053	64	87	6
	BMRzk027	ZK2-136	IgG1	75	80	7	2	1	5	0	2.213	0.055	0.057	0.057	0.051	0.051	0.073	0.050	83	75	5
	BMRzk034	ZK3-1023	IgG1	78	76	4	3	1	9	0	1.981	0.055	0.056	0.055	0.055	0.056	0.108	0.054	84	73	7
	BMRzk035	ZK3-1315	IgG1	75	81	5	0	2	4	0	2.911	0.051	0.049	0.049	0.053	0.050	0.096	0.053	91	69	4
	BMRzk002	ZK1-311	IgG2a	96	98	1	1	2	0	5	3.382	0.050	0.048	0.048	0.048	0.049	0.165	0.047	81	66	3
	BMRzk007	ZK1-1112	IgG1	85	76	0	0	0	0	0	2.135	0.048	0.057	0.050	0.048	0.050	0.083	0.049	80	58	0
B	BMRzk028	ZK2-639	IgG2a	95	96	4	4	5	8	1	2.083	0.050	0.048	0.051	0.052	0.051	0.053	0.050	29	26	4
	BMRzk013	ZK1-1309	IgG1	82	80	4	3	5	4	0	1.099	0.048	0.047	0.047	0.046	0.047	0.068	0.048	36	32	2
	BMRzk011	ZK1-1274	IgG1	78	80	4	3	5	0	0	1.182	0.051	0.047	0.048	0.047	0.048	0.059	0.047	32	35	2
	BMRzk029	ZK2-1467	IgG1	74	75	4	4	6	9	0	1.166	0.050	0.050	0.050	0.051	0.048	0.052	0.050	30	21	5
C	BMRzk030	ZK3-69	IgG2a	96	96	8	7	6	10	3	3.307	0.049	0.049	0.050	0.050	0.052	0.066	0.050	0	73	10
	BMRzk019	ZK1-1959	IgG2b	86	74	1	1	4	0	5	3.846	0.047	0.046	0.046	0.048	0.048	0.104	0.048	0	46	8
	BMRzk001	ZK1-52	IgG2a	93	98	6	3	3	0	9	3.735	0.050	0.047	0.047	0.049	0.053	0.077	0.056	0	44	7
D	BMRzk008	ZK1-1194	IgG1	86	75	1	1	0	0	0	3.785	0.050	0.050	0.049	0.050	0.050	0.180	0.049	40	51	72
	BMRzk018	ZK1-1750	IgG1	77	82	2	0	0	0	0	3.781	0.055	0.093	0.100	0.049	0.048	0.131	0.048	14	31	92
	BMRzk010	ZK1-1254	IgG1	77	81	2	3	4	0	0	3.680	0.054	0.050	0.049	0.048	0.047	0.068	0.048	15	39	56
E	BMRzk009	ZK1-1237	IgG1	80	82	6	5	2	0	0	3.679	0.047	0.048	0.047	0.048	0.049	0.096	0.051	14	21	28
	BMRzk025	ZK1-2597	IgG2a	91	97	0	3	1	0	9	3.558	0.047	0.047	0.050	0.047	0.049	0.050	0.052	13	17	26
	BMRzk020	ZK1-2271	IgG1	80	82	5	3	10	1	0	3.824	0.048	0.046	0.048	0.047	0.047	0.154	0.047	15	40	15
	BMRzk032	ZK3-736	IgG1	86	86	6	6	4	10	9	3.831	0.050	0.052	0.050	0.052	0.053	0.116	0.052	25	32	14
F Cross react to Flavivirus NS1 proteins (recombinant)	BMRzk033	ZK3-943	IgG1	76	76	5	7	4	11	0	3.890	0.051	0.050	0.050	0.051	0.050	0.228	0.050	49	49	95
	BMRzk031	ZK3-679	IgG2a	98	98	2	1	0	2	0	3.610	0.048	0.046	0.045	0.049	0.044	0.449	0.046	45	44	95
	BMRzk022	ZK1-2460	IgG2a	98	96	1	3	3	4	11	3.920	0.061	0.194	0.165	0.080	0.046	0.241	0.048	32	41	97
	BMRzk005	ZK1-852	IgG2a	98	99	5	5	0	1	8	3.943	0.061	0.313	0.286	0.087	0.051	0.306	0.047	37	49	97
	BMRzk026	ZK2-134	IgG1	73	80	3	0	0	2	0	3.737	0.431	0.048	0.050	0.632	0.050	0.144	0.060	41	42	93
	BMRzk006	ZK1-866	IgG2b	93	91	4	11	0	2	3	3.923	0.103	1.893	1.859	0.991	0.049	0.379	0.047	40	50	99
	BMRzk003	ZK1-356	IgG2a	96	99	5	2	1	0	7	3.850	0.058	0.047	0.049	0.048	0.050	0.998	0.048	24	22	97
	BMRzk004	ZK1-604	IgG2a	95	99	4	4	5	3	8	3.903	0.049	0.049	0.048	0.077	0.051	1.011	0.046	35	50	59
	BMRzk016	ZK1-1725	IgG1	86	72	0	1	0	0	0	3.833	0.059	0.052	0.051	0.051	0.062	0.215	0.049	39	53	21
Flavivirus NS1 common Ab	Assay Control	DEN5-380	IgG2a	98	99	101	100	100	100	99	3.303	3.678	3.669	3.654	3.544	2.920	3.459	2.205	83	84	6
Dengue NS1 specific		DEN1-1232	IgG1	5	4	93	100	93	100	5	0.065	3.307	3.681	3.672	3.561	0.076	0.049	0.090	0	0	0

* The CELIXSYS method is an immuno-precipitation-equivalent screening method. The figure (expressed in %) represents the strength of reactivity of monoclonal antibodies to each NS1 protein of Flavi viruses. The numbers expressed in % represent a strength of reactivity of monoclonal antibodies to each NS1 protein of Flavi viruses. The higher the number, the stronger the reactivity of antibody.

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

* Contact us for matching pairs

Product Name	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody
BMR Catalog No.	BMRzk001	BMRzk002	BMRzk003	BMRzk004	BMRzk005	BMRzk006	BMRzk007	BMRzk008
Clone Number	ZK1-52	ZK1-311	ZK1-356	ZK1-604	ZK1-852	ZK1-866	ZK1-1112	ZK1-1194
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Isotype	IgG2a	IgG2a	IgG2a	IgG2a	IgG2a	IgG2b	IgG1	IgG1
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)
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	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
Immunogen	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)
Specificity	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus
Cross Reactivity	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	Some cross-reactivity with recombinant NS1 protein of West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and Yellow fever virus (YFV).	Some cross-reactivity with recombinant NS1 protein of West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and Yellow fever virus (YFV).	Slight cross-reactivity with recombinant NS1 proteins of DENV-2, DENV-3 and West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-4, Japanese encephalitis virus (JEV) and Yellow fever virus (YFV).	Some cross-reactivity with recombinant NS1 proteins of DENV-2, DENV-3, DENV-4 and West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, Japanese encephalitis virus (JEV) and Yellow fever virus (YFV).	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).
Form & Buffer	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4
Storage	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C
Method of Purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	NA	NA	NA	NA	NA	NA	NA	NA
Preservative	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃
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.	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.

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BMR Catalog No.	BMRzk009	BMRzk010	BMRzk011	BMRzk012	BMRzk013	BMRzk014	BMRzk015	BMRzk016
Clone Number	ZK1-1237	ZK1-1254	ZK1-1274	ZK1-1303	ZK1-1309	ZK1-1589	ZK1-1690	ZK1-1725
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Isotype	IgG1	IgG1	IgG1	IgG1	IgG1	IgG1	IgG1	IgG1
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)
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Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).
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Storage	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C
Method of Purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	NA	NA	NA	NA	NA	NA	NA	NA
Preservative	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃
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.	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.

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

* Contact us for matching pairs

Product Name	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody
BMR Catalog No.	BMRzk017	BMRzk018	BMRzk019	BMRzk020	BMRzk022	BMRzk023	BMRzk024	BMRzk025
Clone Number	ZK1-1726	ZK1-1750	ZK1-1959	ZK1-2271	ZK1-2460	ZK1-2486	ZK1-2508	ZK1-2597
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Isotype	IgG1	IgG1	IgG2b	IgG1	IgG2a	IgG2b	IgG2a	IgG2a
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)
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	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
Immunogen	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)
Specificity	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus
Cross Reactivity	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	Slight cross-reactivity with recombinant NS1 protein of West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).
Form & Buffer	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄
Storage	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C
Method of Purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	NA	NA	NA	NA	NA	NA	NA	NA
Preservative	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃
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.	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.

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

* Contact us for matching pairs

Product Name	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody
BMR Catalog No.	BMRzk026	BMRzk027	BMRzk028	BMRzk029	BMRzk030	BMRzk031	BMRzk032	BMRzk033
Clone Number	ZK2-134	ZK2-136	ZK2-639	ZK2-1467	ZK3-69	ZK3-679	ZK3-736	ZK3-943
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Isotype	IgG1	IgG1	IgG2a	IgG1	IgG2a	IgG2a	IgG1	IgG1
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)
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	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
Immunogen	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)
Specificity	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus
Cross Reactivity	Some cross-reactivity with recombinant NS1 proteins of DENV-1 and DENV-4. No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-2, DENV-3, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV).	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	Slight cross-reactivity with recombinant NS1 protein of West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and Yellow fever virus (YFV).	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	Slight cross-reactivity with recombinant NS1 protein of West Nile virus (WNV). No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV) and Yellow fever virus (YFV).
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).
Form & Buffer	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4
Storage	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C	Store at 2-8°C
Method of Purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	NA	NA	NA	NA	NA	NA	NA	NA
Preservative	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃	0.05% NaN ₃
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.	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.

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

* Contact us for matching pairs

Product Name	Anti-Zika virus NS1 Monoclonal Antibody	Anti-Zika virus NS1 Monoclonal Antibody
BMR Catalog No.	BMRzk034	BMRzk035
Clone Number	ZK3-1023	ZK3-1315
Lot Number	Depend on the purification Lot	Depend on the purification Lot
Isotype	IgG1	IgG1
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)
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
Immunogen	Zika NS1 (Recombinant)	Zika NS1 (Recombinant)
Specificity	Reactive to native and recombinant NS1 proteins of Zika virus	Reactive to native and recombinant NS1 proteins of Zika virus
Cross Reactivity	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .	No cross-reactivity with native NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4 and Japanese encephalitis virus (JEV) and recombinant NS1 proteins of DENV-1, DENV-2, DENV-3, DENV-4, Japanese encephalitis virus (JEV), West Nile virus (WNV) and Yellow fever virus (YFV) .
Grade & Purity	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).	In vitro use only. Purity is more than 95% (SDS-PAGE or HPLC).
Form & Buffer	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄	Protein A affinity purified and supplied as a liquid in PBS(-); pH7.4, 3.0mM KCl, 1.5mM KH ₂ PO ₄ , 140mM NaCl, 8.0mM Na ₂ HPO ₄
Storage	Store at 2-8°C	Store at 2-8°C
Method of Purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~
Contaminants	NA	NA
Preservative	0.05% NaN ₃	0.05% NaN ₃
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.