

Table 9. Essential Characteristic of Anti-Chikungunya Virus Envelope (E1) Monoclonal Antibodies

Epitope Group	BMR Cat No.	Clone No.	Mouse Ig Isotype	Reactivity in CELIXSYS* method (%)						Ag-ELISA method (A490nm)								Epitope analysis based on antibody inhibition test on Ag-ELISA method							
				CHIKV E1 Wild-type Recombinant		CHIKV E1 Mutant (A226V) Recombinant		CHIKV Envelope SL1113 Native		CHIKV E1 Wild-type	CHIKV E1 Mutant (A226V)	CHIKV E1 Wild-type glycoprotein	CHIKV E1-E2 Wild-type	ZIKV Envelope Protein	DENV2 Envelope Protein	CHIKV E2	His-tag	Inhibition ratio to each biotinylated antibody in %							
				Ab Conc. 10ug/mL	Ab Conc. 1ug/mL	Ab Conc. 10ug/mL	Ab Conc. 1ug/mL	Ab Conc. 10ug/mL	Ab Conc. 1ug/mL	Ab Conc. = 1ug/mL								CHI-475	CHI-635	CHI-488	CHI-2404	CHI-960	CHI-1229	CHI-2151	
A	BMRch006	CHI-475	IgG2b	99	96	100	98	99	95	3.944	3.916	3.918	3.866	0.047	0.044	0.056	0.044	97	99	29	49	32	8	26	
	BMRch003	CHI-110	IgG1	99	96	100	98	99	94	3.795	3.807	3.705	3.551	0.044	0.044	0.050	0.045	97	99	32	55	22	30	41	
	BMRch024	CHI-1969	IgG2a	97	82	98	90	94	76	3.650	3.744	3.734	3.721	0.043	0.043	0.050	0.048	92	98	25	42	3	21	25	
	BMRch008	CHI-521	IgG1	96	79	98	89	97	81	3.714	3.716	3.611	3.384	0.042	0.043	0.048	0.041	94	99	21	44	0	30	29	
	BMRch018	CHI-1339	IgG1	97	86	98	92	96	79	3.791	3.794	3.660	3.402	0.042	0.042	0.046	0.041	94	99	25	52	31	32	38	
	BMRch010	CHI-635	IgG1	98	84	98	91	97	84	3.806	3.811	3.694	3.523	0.042	0.042	0.046	0.043	95	97	7	58	26	32	45	
	BMRch011	CHI-857	IgG1	97	82	99	90	97	82	3.838	3.847	3.704	3.430	0.042	0.045	0.044	0.042	95	99	12	58	35	36	45	
B	BMRch009	CHI-578	IgG2a	91	53	94	75	92	61	3.821	3.815	3.757	3.690	0.042	0.043	0.047	0.062	39	31	98	62	0	32	32	
	BMRch017	CHI-1338	IgG2a	89	46	92	72	90	55	3.750	3.797	3.727	3.687	0.043	0.049	0.047	0.044	38	27	97	60	3	33	21	
	BMRch012	CHI-911	IgG2b	86	43	92	71	88	53	3.949	3.951	3.899	3.799	0.041	0.044	0.045	0.043	41	32	97	66	29	37	41	
	BMRch020	CHI-1459	IgG2b	81	32	89	66	83	42	3.943	3.954	4.000	3.950	0.043	0.041	0.046	0.043	41	38	94	65	34	38	36	
	BMRch005	CHI-428	IgG2b	80	31	87	67	83	41	3.940	3.946	3.859	3.801	0.042	0.042	0.046	0.041	42	42	94	66	33	29	34	
	BMRch007	CHI-488	IgG2a	70	25	83	62	78	30	3.887	3.879	3.816	3.731	0.040	0.041	0.047	0.044	38	32	87	58	24	16	13	
	BMRch027	CHI-2110	IgG2b	74	23	85	61	75	31	3.789	3.896	3.946	3.809	0.040	0.044	0.045	0.042	39	34	89	63	43	40	35	
	BMRch026	CHI-2069	IgG2a	62	14	78	55	64	21	3.834	3.859	3.785	3.727	0.042	0.043	0.045	0.043	35	30	82	60	28	35	27	
	BMRch019	CHI-1369	IgG1	69	17	83	57	70	24	3.778	3.803	3.443	2.845	0.041	0.041	0.045	0.041	34	53	80	47	35	32	34	
C	BMRch029	CHI-2404	IgG1	84	17	85	20	90	27	3.828	3.869	3.701	3.230	0.041	0.042	0.044	0.044	41	72	51	93	9	27	10	
	BMRch013	CHI-917	IgG1	73	11	73	13	82	21	3.857	3.848	3.633	2.780	0.041	0.042	0.045	0.042	29	60	45	87	0	11	12	
D	BMRch014	CHI-960	IgG2a	93	41	94	43	91	40	2.608	2.895	1.491	1.019	0.041	0.043	0.047	0.043	3	14	1	10	91	-5	27	
	BMRch022	CHI-1663	IgG2a	93	36	94	38	90	35	2.460	3.035	1.727	1.075	0.043	0.042	0.044	0.047	3	10	2	5	91	9	21	
	BMRch001	CHI-56	IgG2a	88	27	90	32	84	29	1.636	2.229	1.016	1.051	0.043	0.043	0.047	0.041	0	3	0	0	78	14	10	
E	BMRch023	CHI-1823	IgG2a	100	99	100	99	100	99	2.282	2.911	1.143	1.165	0.041	0.041	0.046	0.044	1	10	0	6	46	90	20	
	BMRch004	CHI-388	IgG1	100	99	100	99	100	99	0.749	1.143	0.292	0.553	0.056	0.041	0.045	0.041	5	17	3	15	42	94	44	
	BMRch021	CHI-1627	IgG1	100	99	100	99	99	99	0.796	1.238	0.396	0.447	0.042	0.043	0.045	0.041	4	15	3	11	45	93	32	
	BMRch016	CHI-1229	IgG1	100	99	100	99	100	99	0.573	0.968	0.341	0.437	0.042	0.042	0.044	0.041	0	0	0	0	13	93	27	
	BMRch028	CHI-2141	IgG1	86	82	91	86	96	93	0.473	1.053	0.236	0.273	0.042	0.043	0.043	0.044	5	11	4	10	11	78	0	
F	BMRch030	CHI-2151	IgG2a	85	79	90	85	95	89	1.452	2.635	0.828	0.869	0.043	0.043	0.049	0.043	0	10	2	8	49	25	90	
G	BMRch015	CHI-1024	IgG2a	94	80	96	88	96	81	0.883	1.524	0.309	0.855	0.043	0.043	0.052	0.047	5	6	0	4	0	0	0	
	BMRch025	CHI-2049	IgG1	96	90	97	94	98	94	0.400	0.817	0.262	0.305	0.050	0.043	0.046	0.044	0	0	0	1	6	33	0	
	BMRch002	CHI-60	IgG2b	82	41	87	65	90	59	0.609	1.007	0.490	0.637	0.045	0.042	0.053	0.044	2	6	1	0	22	3	9	
Assay control	Control	CHI Poly Ab		94	23	95	54	88	23	3.920	3.942	3.870	3.866	0.113	0.109	2.520	0.268	19	34	16	29	32	24	23	
		His-Tag Ab #1649		84	52	69	16	0	6	3.337	3.325	3.479	2.942	3.567	3.451	3.398	3.445	13	23	11	17	8	11	7	
		NC		0	0	0	0	0	0	0.045	0.046	0.043	0.043	0.043	0.044	0.046	0.046	0	0	0	0	0	0	0	0
		PC		100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	100	100	100	100	100	100

* The CELIXSYS method is an immuno-precipitation-equivalent method.

** The numbers expressed in % represent a strength of reactivity of monoclonal antibodies to each CHIKV recombinant and native proteins . The higher the percent, the stronger the reactivity of antibody.

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

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Product Name	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody	Anti-Chikungunya virus E1 Monoclonal Antibody
BMR Catalog No.	BMRch001	BMRch002	BMRch003	BMRch004	BMRch005	BMRch006	BMRch007	BMRch008
Clone Number	CH1-56	CH1-60	CH1-110	CH1-388	CH1-428	CH1-475	CH1-488	CH1-521
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	IgG2b	IgG1	IgG1	IgG2b	IgG2b	IgG2a	IgG1
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	2 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	3 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	4 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	5 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	6 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	7 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	8 ~ 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.Ag8.654 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.655 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.656 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.657 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.658 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.659 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.660 myeloma cells with spleen cells from BALB/c mice. Source : Ascites
Immunogen	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)
Specificity	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.
Cross Reactivity	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.
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.

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BMR Catalog No.	BMRch009	BMRch010	BMRch011	BMRch012	BMRch013	BMRch014	BMRch015	BMRch016
Clone Number	CH1-578	CH1-635	CH1-857	CH1-911	CH1-917	CH1-960	CH1-1024	CH1-1229
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	IgG1	IgG1	IgG2b	IgG1	IgG2a	IgG2a	IgG1
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	2 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	3 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	4 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	5 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	6 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	7 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	8 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)
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Specificity	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.
Cross Reactivity	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.
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.	BMRch017	BMRch018	BMRch019	BMRch020	BMRch021	BMRch022	BMRch023	BMRch024
Clone Number	CH1-1338	CH1-1339	CH1-1369	CH1-1459	CH1-1627	CH1-1663	CH1-1823	CH1-1969
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	IgG1	IgG1	IgG2b	IgG1	IgG2a	IgG2a	IgG2a
Concentration	1 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	2 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	3 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	4 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	5 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	6 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	7 ~ 5 mg/mL Depend on the purification Lot (5mg/mL for most lots)	8 ~ 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.Ag8.654 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.655 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.656 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.657 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.658 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.659 myeloma cells with spleen cells from BALB/c mice. Source : Ascites	Host : Mouse. Hybridization of P3X63.Ag8.660 myeloma cells with spleen cells from BALB/c mice. Source : Ascites
Immunogen	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)	Chikungunya E1 Wild-type (Recombinant)
Specificity	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.	CHIKV Native Envelope protein.
Cross Reactivity	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.	No cross-reactivity with recombinant Envelope proteins of Zika virus and Dengue virus.
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.

