Table 1. Essential Characteristics of Anti-Influenza A Virus NP Monoclonal Antibodies.

Relative Epitope Group	Cat No.	Clone No.	Mouse Ig Isotype	Reactivity in BMR CELIXSYS* method (%) Ab Conc. = 1ug/mL																																Epitope Analysis based on Antibody Inhibition test on H3N2 Hiroshima Ag-ELISA method						
				Inactivated virus **												Cultured virus ***(native)							Embryonated egg-cultured virus (native)																			Inhibitiion ratio to each biotinylated antibody in %						
				H1N1						H3N2						H1N1				H3N2			H1N1		H3N2		H2N2	H4N6	H5N3	H6N5	H7N7	H8N4	H9N2	H10N7	H11N6	H12N5	H13N6	H14N5	H15N8							
				A/Solomon Islands /3/2006	A/California pdm /07/2009	A/Taiwan /1/86 (8IN73)	A/Bejing/262/95 (8IN73-2)	A/New Caledonia/20/99 (8IN73-3)	A/Brisbane/02/2018 pdm09	A/Hiroshima/ 52/2005	A/Victoria /210/2009	A/Texas/50/ 2012	A/Switzerland/ 9715293/2013	A/Kansas/14/2017	A/Kiev/301/94 (8IN74-2)	1	2	3	10 Swine Pandemic	4	5	6	A/New Caledinia/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	FLA-1500	FLA-1572	F1A-3298	F1A-2088	F1A-2121	F2A-6001	F1A-1811
A	BMRia069	F16A-1780	IgG2a	99	99	97	99	96	98	99	98	99	99	97	98	98	99	98	97	98	98	99	98	98	96	97	97	97	95	94	95	96	96	96	96	97	95	96	92	99	100	98	98	41	59	72
	BMRia068	F16A-839	IgG2a	99	99	97	96	96	96	98	98	98	99	98	98	98	99	97	97	98	99	99	98	97	97	97	97	96	94	95	95	96	96	96	96	96	96	95	93	100	100	97	97	39	58	70
	BMRia061	F12A-901	IgG2a	99	99	96	95	95	99	99	99	99	99	98	98	98	99	97	94	98	98	98	96	98	95	96	97	97	95	95	96	97	96	96	94	96	94	96	94	100	100	98	97	40	60	71
	BMRia067	F16A-727	IgG2a	99	97	96	99	97	98	99	98	98	98	98	98	98	98	98	96	98	98	98	97	97	96	96	97	95	93	94	95	96	96	96	96	96	96	96	95	100	100	95	96	41	58	70
	BMRia003	FLA-862	IgG2a	99	99	96	89	97	97	99	98	98	98	98	97	98	99	97	97	98	98	98	98	97	96	96	96	95	94	93	94	96	96	96	96	95	95	95	94	100	100	97	97	43	59	68
	BMRia006	FLA-1500	IgG2a	99	99	96	98	96	98	98	99	98	98	98	97	98	98	97	96	98	97	97	96	97	96	96	96	97	94	95	93	96	93	96	95	95	93	95	94	99	100	97	97	41	53	72
	BMRia066	F16A-471	IgG2a	99	98	97	98	97	98	99	98	98	99	99	97	98	99	98	97	99	98	99	98	96	97	95	96	96	92	90	94	96	86	95	96	95	95	95	92	100	100	96	97	36	56	69
	BMRia060	F12A-186	IgG2a	99	99	95	98	96	98	99	99	99	99	99	96	96	98	95	97	98	98	98	97	97	96	97	96	97	95	95	95	96	97	95	96	96	95	96	96	99	99	97	97	35	65	70
	BMRia007	FLA-1505	IgG2a	99	99	95	98	96	98	99	98	99	99	98	96	98	98	97	96	98	98	98	95	97	96	95	96	97	92	95	92	95	95	95	96	93	93	95	92	100	100	97	97	45	54	67
	BMRia064	F15A-1182	IgG2a	99	98	96	96	96	98	99	98	99	99	98	98	98	99	97	97	98	97	98	96	97	96	97	97	96	94	95	94	96	96	95	96	97	94	95	79	99	99	95	95	42	56	69
	BMRia059	F5A-687	IgG2a	98	98	95	97	96	96	99	97	98	97	97	97	98	98	98	95	98	97	98	97	96	96	96	96	94	94	92	93	96	94	95	96	96	94	95	94	94	96	88	88	36	48	69
	BMRia005	FLA-1357	IgG2a	99	99	94	98	96	98	96	99	98	98	98	97	98	98	98	96	98	98	98	96	97	91	94	95	95	92	94	94	96	95	95	95	94	93	93	92	99	99	97	97	48	55	71
	BMRia056	F1A-765	IgG2a	99	98	90	97	93	98	99	98	98	99	98	97	98	98	97	93	98	97	97	93	97	95	94	96	96	92	94	93	95	94	95	92	96	89	94	88	99	99	96	96	42	63	71
	BMRia058	F2A-4291	IgG2a	99	98	93	96	90	98	99	97	98	99	99	96	98	98	97	94	97	97	98	94	97	96	93	97	94	91	92	93	95	95	94	94	95	92	94	90	97	98	92	92	28	57	71
	BMRia057	F2A-3641	IgG2a	99	98	92	97	91	98	98	99	98	99	98	97	98	98	96	95	97	97	97	93	97	96	93	96	95	93	93	92	94	95	95	92	93	92	93	88	98	99	91	93	49	50	65
	BMRia012	FLA-304	IgG2a	98	97	88	95	88	96	98	96	97	97	96	94	97	98	97	93	98	97	97	89	96	95	89	94	90	84	91	87	93	94	93	91	93	88	91	90	99	99	94	94	41	53	67
	BMRia070	F16A-1883	IgG2b	98	97	92	96	88	95	97	96	97	96	94	92	95	95	93	89	93	92	95	90	92	90	92	92	91	88	86	89	89	89	89	89	86	86	87	89	100	100	98	98	46	55	67
	BMRia065	F16A-47	IgG1	97	97	89	95	89	94	96	96	96	96	93	90	94	94	90	84	91	91	93	86	91	88	88	90	88	85	84	83	86	86	85	84	85	84	83	82	99	100	95	96	45	53	69
	BMRia062	F12A-1201	IgG2a	98	97	94	96	94	96	98	95	96	96	97	96	97	97	97	94	96	95	96	94	96	94	94	96	94	91	92	92	95	93	93	94	94	93	93	91	87	88	78	79	37	47	65
Aw	BMRia018	FLA-903	IgG2a	98	98	72	92	78	97	98	97	97	98	98	94	96	97	95	89	96	96	96	81	95	95	80	94	93	87	90	88	93	92	93	87	92	82	90	89	96	99	91	91	35	58	68
	BMRia022	FLA-2433	IgG2a	98	98	81	91	78	98	98	97	98	98	98	94	95	97	95	89	95	96	95	80	95	94	81	94	92	89	90	90	92	92	93	90	92	82	90	89	97	99	92	92	42	56	67
	BMRia008	FLA-1572	IgG2a	98	97	80	90	74	95	97	96	98	98	97	94	95	96	95	89	95	95	94	77	95	91	79	91	91	86	87	90	89	91	88	88	90	80	88	82	97	99	91	92	47	52	63
	BMRia004	FLA-1063	IgG2a	98	98	78	91	77	97	98	97	98	97	98	95	95	97	94	88	96	95	95	81	96	95	81	93	93	90	92	90	93	92	91	89	91	83	91	89	97	98	92	92	36	59	67
	BMRia010	FLA-31	IgG2a	98	98	80	91	79	97	98	97	98	96	97	94	95	96	95	88	96	95	96	81	96	94	80	93	92	86	90	89	93	91	92	89	91	81	90	88	97	99	92	91	41	59	67
	BMRia021	FLA-843	IgG1	97	96	70	84	64	93	96	94	95	95	94	88	90	92	87	76	90	87	88	69	89	86	48	83	84	78	79	80	85	83	84	77	78	70	79	78	95	97	88	90	44	51	71
B	BMRia024	FOA-167	IgG2a	99	97	87	95	87	96	98	95	98	97	95	94	96	96	94	95	98	97	97	87	94	91	87	93	91	84	89	88	92	91	92	91	93	90	92	87	98	99	99	99	46	59	57
	BMRia014	FLA-553	IgG2a	99	98	93	95	95	98	99	99	98	99	98	69	55	63	58	93	98	97	98	95	55	95	95	65	92	91	90	89	72	89	70	91	92	74	92	92	98	100	99	99	42	59	61
C	BMRia042	F1A-3298	IgG1	98	98	91	96	90	97	97	98	96	97	97	93	95	94	89	89	90	91	93	91	91	90	92	91	89	81	84	84	87	90	88	86	87	85	83	84	94	95	95	94	48	0	-2
	BMRia048	F1A-2088	IgG1	98	97	89	95	89	95	97	97	96	96	95	91	93	94	89	87	91	90	91	90	92	88	90	91	90	86	85	86	88	89	89	87	87	86	86	87	94	95	95	96	57	5	3
D	BMRia019	FLA-1481	IgG2a	98	99	81	90	79	97	98	98	98	99	98	91	56	67	54	52	94	93	94	85	94	83	84	96	67	68	76	65	72	67	65	63	71	61	68	67	76	83	71	72	30	52	62
	BMRia036	F1A-1225	IgG2b	97	97	85	93	83	94	96	96	96	95	95	90	79	83	76	27	68	64	65	88	93	67	88	88	54	55	78	55	64	58	58	55	64	53	58	76	83	89	79	81	29	60	65
E	BMRia001	FLA-12	IgG2a	98	99	94	97	79	97	99	98	99	99	98	97	63	75	62	47	81	71	63	97	86	93	96	95	88	83	84	88	88	91	87	84	91	58	85	31	67	56	92	93	93	35	23
F	BMRia038	F1A-1632	IgG2a	98	96	89	94	90	96	98	95	96	97	96	92	53	62	53	62	87	84	83	93	75	91	90	92	92	91	91	90	93	92	93	92	92	88	92	92	34	43	34	41	96	34	31
	BMRia044	F1A-3858	IgG2b	96	95	82	92	79	93	95	94	94	94	93	86	65	75	63	55	86	84	84	87	84	86	87	85	87	80	83	82	85	86	86	85	84	77	83	85	35	40	33	40	95	37	24
	BMRia039	F1A-2121	IgG2b	97	97	80	90	76	95	96	96	96	95	95	80	82	88	81	67	64	59	59	81	78	81	81	90	88	85	84	85	84	88	89	81	84	71	83	72	31	35	25	31	99	41	32
G	BMRia046	F1A-1528	IgG2a	77	58	91	91	83	73	73	53	72	68	72	96	98	98	97	95	98	97	98	93	95	95	92	93	94	92	91	93	94	91	93	94	93	91	92	92	9	15	13	19	35	92	98
	BMRia063	F15A-834	IgG2a	69	57	88	91	79	75	66	54	70	66	73	93	98	97	95	94	98	97	97	92	95	95	92	93	94	92	90	93	93	93	90	93	93	94	92	92	8	13	14	16	31	78	89
	BMRia054	F2A-6001	IgG2a	61	49	86	88	77	60	58	44	58	54	56	92	97	96	95	91	97	96	95	90	92	93	89	88	91	87	84	88	89	88	87	88	90	88	87	88	6	10	11	16	29	89	90
	BMRia034	F1A-903	IgG2b	58	38	83	88	75	50	50	30	49	43	47	86	93	92	90	84	89	88	87	87	91	88	86	83	85	77	76	83	81	82	80	83	83	78	80	83	7	2	14	16	30	86	96
	BMRia072	F22A-1788	IgG1	65	50	83	84	74	66	61	50	60	58	60	80	93	93	89	83	84	79	80	84	90	85	86	87	87	81	80	83	83	84	84	86	83	84	82	83	7	2	16	15	30	81	93
	BMRia047	F1A-1811	IgG2a	40	37	80	86	75	49	33	33	62	42	46	87	96	94	94	92	96	93	93	89	89	91	88	82	87	81	76	85	84	84	83	85	87	87	82	84	9	12	12	16	28	68	85
	BMRia071	F17A-1296	IgG1	48	40	80	81	72	53	44	37	45	47	49	83	92	92	89	83	90	89	91	85	86	87	85	79	83	76	70	75	78	78	78	80	78	80	77	78	8	5	15	17	28	77	93
	BMRia043	F1A-3632	IgG2a	49	35	79	85	71	58	43	29	46	45	56	90	94	94	92	86	95	93	93	84	93	93	84	88	88	84	84	88	86	87	87	89	90	83	86	88	-1	-7	9	7	19	49	59
H	BMRia026	FOA-1258	IgG2a	96	88	92	97	95	89	95	78	92	90	87	93	89	92	88	93	96	94	95	96	94	94	95	91	94	88	91	89	93	92	93	95	93	91	93	93	31	27	21	25	41	35	42
	BMRia023	FOA-38	IgG2a	95	86	93	97	95	89	95	82	90	89	87	93	88	90	85	95	95	94	94	94	95	94	96	93	93	90	91	89	92	93	93	94	92	91	93	92	26	27	24	24	37	27	44
	BMRia015	FLA-701	IgG2a	95	93	72	83	69	94	95	90	93	93	94	92	72	77	70	71	92	90	89	75	89	91	77	88	88	84	87	83	90	87	90	87	89	68	88	89	26	31	25	25	53	14	34

New products

: Current best selling clones but depending on an assay platform.

Inhibited ratio in %

* 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

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Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia001**	**BMRia003**	**BMRia004**	**BMRia005**	**BMRia006**	**BMRia007**	**BMRia008**	**BMRia010**
Clone Number	**FLA-12**	**FLA-862**	**FLA-1063**	**FLA-1357**	**FLA-1500**	**FLA-1505**	**FLA-1572**	**FLA-31**
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	IgG2a	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	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus: A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus:A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)
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)	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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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 G 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℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
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 G 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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Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia012**	**BMRia014**	**BMRia015**	**BMRia018**	**BMRia019**	**BMRia021**	**BMRia022**	**BMRia023**
Clone Number	**FLA-304**	**FLA-553**	**FLA-701**	**FLA-903**	**FLA-1481**	**FLA-843**	**FLA-2433**	**FOA-38**
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	IgG1	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	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1) and A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus:A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus:A/Solomon Islands/3/2006(H1N1)	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)
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)	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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
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

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Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia024**	**BMRia026**	**BMRia034**	**BMRia036**	**BMRia038**	**BMRia039**	**BMRia042**	**BMRia043**
Clone Number	**FOA-167**	**FOA-1258**	**F1A-903**	**F1A-1225**	**F1A-1632**	**F1A-2121**	**F1A-3298**	**F1A-3632**
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	IgG2b	IgG2b	IgG2a	IgG2b	IgG1	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	Inactivated Influenza A virus: A/Hiroshima/52/2005(H3N2)	Inactivated Influenza A virus: A/Hiroshima/52/2005(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)	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)
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)	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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
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

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Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia044**	**BMRia046**	**BMRia047**	**BMRia048**
Clone Number	**F1A-3858**	**F1A-1528**	**F1A-1811**	**F1A-2088**
Lot Number	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot	Depend on the purification Lot
Isotype	IgG2b	IgG2a	IgG2a	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)
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
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)
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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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)
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
Storage	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
Method of Purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	NA	NA	NA	NA
Preservative	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.

Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia054**	**BMRia056**	**BMRia057**	**BMRia058**
Clone Number	**F2A-6001**	**F1A-765**	**F2A-3641**	**F2A-4291**
Lot Number	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
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)
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
Immunogen	Inactivated Influenza A virus:A/Solomon Island/3/2006(H1N1), A/Hiroshima/52/2005(H3N2) 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/Solomon Island/3/2006(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus:A/Solomon Island/3/2006(H1N1), A/Hiroshima/52/2005(H3N2) and A/Victoria/210/2009(H3N2)
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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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)
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
Storage	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
Method of Purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification	Protein A affinity purification
Size	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	NA	NA	NA	NA
Preservative	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.

Bio Matrix Reseach Inc.

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

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Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia059**	**BMRia060**	**BMRia061**	**BMRia062**	**BMRia063**	**BMRia064**	**BMRia065**	**BMRia066**
Clone Number	**F5A-687**	**F12A-186**	**F12A-901**	**F12A-1201**	**F15A-834**	**F15A-1182**	**F16A-47**	**F16A-471**
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	IgG2a	IgG1	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	Inactivated Influenza A virus:A/California/7/2009(H1N1) pdm09 and A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus:A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus:A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus:A/Victoria/210/2009(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)
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)	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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
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.

Bio Matrix Reseach Inc.

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

＊Contact us for matching pairs

Product Name	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody	Anti-Influenza A Virus (NP) Monoclonal Antibody
BMR Catalog No.	**BMRia067**	**BMRia068**	**BMRia069**	**BMRia070**	**BMRia071**	**BMRia072**
Clone Number	**F16A-727**	**F16A-839**	**F16A-1780**	**F16A-1883**	**F17A-1296**	**F22A-1788**
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
Isotype	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)
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
Immunogen	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Switzerland/9715293/2013/H3N2(H3N2)	Inactivated Influenza A virus:A/Texas/50/2012(X-223)(H3N2)
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)	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, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses	No cross reaction to Influenza B, Adeno and RS viruses
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)
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
Storage	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃	Store at 2-8℃
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
Size	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~	1mg ~
Contaminants	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
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.