

Table 12. Essential Characteristics of Anti-Human IgG Monoclonal Antibodies

BMR Cat.No	Clone No.	Mouse Ig isotype	Reactivity in CELIXSYS* method (%)	Ag-ELISA method (A490nm) Ab Conc. = 0.1ug/mL[Δabs**]											
			Ab Conc. = 1ug/mL	Reactivity to human IgGs				Cross Reactivity to other immunoglobulins from different sources							
			Human IgG = 1μg/mL	Human IgG1	Human IgG2	Human IgG3	Human IgG4	Human IgM	Human IgA	Bovine IgG	Rabbit IgG	Rat IgG	Goat IgG	Sheep IgG	Donkey IgG
BMRig010	HIG3-56	IgG2a	91	3.794	3.765	3.719	3.786	0.019	0.000	0.002	0.000	0.000	0.199	0.018	0.000
BMRig015	HIG3-604	IgG2a	88	3.821	3.725	3.736	3.803	0.019	0.026	0.000	0.009	0.004	0.156	0.000	0.011
BMRig012	HIG3-278	IgG2a	89	3.771	3.745	3.725	3.782	0.003	0.028	0.015	0.000	0.001	0.184	0.000	0.003
BMRig017	HIG3-976	IgG2a	87	3.739	3.754	3.737	3.733	0.005	0.011	0.002	0.013	0.005	0.172	0.003	0.009
BMRig013	HIG3-379	IgG2a	88	3.807	3.770	3.731	3.803	0.014	0.006	0.000	0.006	0.004	0.151	0.001	0.000
BMRig005	HIG1-784	IgG2a	71	3.799	3.810	3.537	2.584	0.003	0.020	0.008	0.004	0.000	0.037	0.008	0.000
BMRig009	HIG3-32	IgG2b	60	3.854	3.816	3.806	3.845	0.001	0.000	0.006	0.000	0.000	0.067	0.004	0.000
BMRig011	HIG3-119	IgG2b	64	3.827	3.787	3.783	3.848	0.000	0.000	0.004	0.018	0.010	0.053	0.000	0.018
BMRig016	HIG3-956	IgG2b	57	3.797	3.783	3.795	3.790	0.002	0.000	0.000	0.000	0.000	0.052	0.000	0.004
BMRig018	HIG3-1078	IgG2a	50	3.715	3.708	3.703	3.665	0.005	0.014	0.004	0.000	0.000	0.030	0.003	0.000
BMRig007	HIG1-888	IgG2a	57	3.804	3.777	3.440	3.790	0.008	0.013	0.000	0.000	0.000	0.034	0.000	0.005
BMRig002	HIG1-241	IgG2a	45	3.795	3.805	3.537	3.773	0.006	0.002	0.004	0.000	0.000	0.019	0.005	0.000
BMRig014	HIG3-506	IgG2b	56	3.839	3.784	3.790	3.849	0.000	0.000	0.003	0.000	0.000	0.048	0.000	0.011
BMRig001	HIG1-52	IgG2b	65	3.826	3.842	3.751	3.825	0.008	0.011	0.003	0.011	0.000	0.072	0.014	0.001
BMRig008	HIG1-1305	IgG2a	39	3.846	3.818	3.147	3.848	0.001	0.000	0.002	0.009	0.000	0.122	0.000	0.011
Assay control *****	HIG1-87		nd	3.937	3.937	3.923	3.943	0.083	0.119	3.515	3.389	0.045	3.292	3.531	3.457
	HIG2-892		nd	3.853	3.831	3.807	3.729	0.120	0.158	1.359	0.063	1.210	0.279	1.953	0.287
	HIG2-988		nd	3.776	3.712	3.723	3.766	3.596	3.676	0.018	0.026	0.039	0.199	0.035	0.053
	Reagent blank		nd	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Each antibody specifically recognizes Fc-portion of human IgG with no cross reactivity to mouse IgG (data not shown).

* CELIXSYS is an unique immuno-precipitation equivalent antibody screening and analysis method developed by BMR.

** ΔAbs means absorbance of each clone minus reagent blank under coating each antigen.

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

*** Contact us for matching pairs**

Product Name	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody	Anti-Human IgG Monoclonal Antibody
BMR Catalog No.	BMRig001	BMRig002	BMRig005	BMRig007	BMRig008	BMRig009	BMRig010	BMRig011
Clone Number	HIG1-52	HIG1-241	HIG1-784	HIG1-888	HIG1-1305	HIG3-32	HIG3-56	HIG3-119
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	IgG2b	IgG2a	IgG2a	IgG2a	IgG2a	IgG2b	IgG2a	IgG2b
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	Human serum antibody	Human serum antibody	Human serum antibody	Human serum antibody	Human serum antibody	Human serum antibody	Human serum antibody	Human serum antibody
Specificity	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.	Recognizes Fc-portion of human IgG1, IgG2, IgG3, and IgG4.
Cross Reactivity	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)	No cross reactivity to human IgM, IgA, and other animal IgGs. (bovine, rabbit, rat, goat, sheep, donkey, and mouse)
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	5mg	5mg	5mg	5mg	5mg	5mg	5mg	5mg
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.

