

Mouse anti-Human IgG Fc Monoclonal Antibody | anti-IgG antibody

Mouse Anti Human IgG Fc Monoclonal Antibody

CATALOG # AAA71359	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

IgG Fc; Monoclonal Antibody; Mouse Anti Human IgG Fc Monoclonal Antibody; Mouse anti-Human IgG Fc Monoclonal Antibody; Fc fragment of IgG; CD64; Human IgG Fc; Mouse anti-human IgG Fc; anti-IgG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1.kappa
Clone Number	ABM121
Specificity	Human IgG Fc
Purity/Purification	Protein A affinity purification eluted according to the isotyping IgG1.kappa.
Sequence Length	315
Applicable Applications for anti-IgG antibody	FCM/FACS (Flow Cytometry), ELISA
Affinity Constant	2x10 ⁸ L/Mol
Immunogen	Human IgG purified by affinity chromatography
Lymphocyte Strain	Bab/c mouse
Myeloma	P3x63 Ag 8.653
Immunization Procedure	100ul of emulsion, mixed with equal volume of Human IgG lysate solution and Freund complete adjuvant was injected by using the intracutaneous injection method to each balb/c mouse, followed by boost-inject every 2 to 3 weeks with emulsion; the mice with high titer was chosen for the fusion procedure.
Fusion Procedure	Fusion was performed by addition of chemical fusion reagent PEG to the mixture of spleen cells and myeloma cells at a ratio 5:1; Seeding the cell suspension to 96 well cell culture plates and selected according to principle of HAT drug blocking the de novo synthesis of nucleotides.
Screening Method	RIA method is used for clone screening, in which Human IgG Fc is labeled with I125 for the screening of positive clones.
Target Antigen	Human IgG Fc: Purity>90%
Hybridoma Cloning History	The clone was screened from a total of four 96 well cell culture plate and was subcloned twice by using RIA method. Both supernatant and purified IgG from ascites were evaluated by the method of RIA. Further evaluation was accomplished by applying purified Human IgG1, IgG2, IgG3, IgG4 Separately coated wells. All of the EIA reactions were positive.
Preparation and Storage	Store at -20°C short term. Long term: -80°C.

ADDITIONAL INFORMATION

References	Lane DP and EB Lane, A rapid antibody assay system for screening hybridoma cultures, J. Immunol. Methods, 47: 303-307, 1981.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	306803
NCBI GeneID	2212
NCBI Official Full Name	IgG Fc receptor
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIa
NCBI Official Symbol	FCGR2A
NCBI Official Synonym Symbols	CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-a

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/igg-fc-antibody-clone-abm121-flow-cytometry-elisa/71359>