

Mouse anti-Human HBsAg Monoclonal Antibody | anti-HBsAg antibody

Mouse Anti HBsAg Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71357	Mouse	Human	immunoassay, Radioimmunoassay, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

HBsAg; Monoclonal Antibody; Mouse Anti HBsAg Monoclonal Antibody; Mouse anti-HBsAg Monoclonal Antibody; Hepatitis B Virus; S protein; HBVgp2; Hepatitis B Surface Antigen (HBsAg); Mouse anti-HBsAg; anti-HBsAg antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1.kappa
Clone Number	ABM014
Specificity	HEPATITIS B SURFACE-ANTIGEN (HBsAg)
Purity/Purification	Protein A affinity purification eluted according to the isotyping IgG1.kappa
Sequence Length	92
Applicable Applications for anti-HBsAg antibody	RIA (Radioimmunoassay), FCM/FACS (Flow Cytometry), ELISA
Affinity Constant	2x10 ¹⁰ L/Mol
Immunogen	HBsAg purified from human serum by affinitive columns
Lymphocyte Strain	Balb/c mouse
Myeloma	SP2/0
Immunization Procedure	100ul of emulsion, mixed with equal volume of HBsAg 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	EIA method is used for clone screening, in which HBsAg is labeled with HRP for the screening of positive clones.
Target Antigen	HBsAg 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 EIA method. Both supernatant and purified IgG/M from ascites were evaluated by the method of EIA. Further evaluation was accomplished by applying purified IgM to the EIA test against normal human sera and HBsAg positive sera specimens; no cross reaction was found with HBeAg, HBcAg, HCV and AFP.

ADDITIONAL INFORMATION

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

NCBI GI #	1519337318
NCBI GeneID	944569
NCBI Official Full Name	HBsAg, partial
NCBI Official Symbol	S
NCBI Protein Information	large envelope protein;middle envelope protein;small envelope protein

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/hbsag-antibody-clone-abm014-radioimmunoassay-flow-cytometry-elisa/71357>