

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

Mouse Anti HBcAg Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71355	Mouse	Human	immunoassay, Radioimmunoassay, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

HBcAg; Monoclonal Antibody; Mouse Anti HBcAg Monoclonal Antibody; Mouse anti-HBcAg Monoclonal Antibody; Hepatitis B Virus; core protein; HBVgp4; Hepatitis B core antigen (HBcAg); Mouse anti-HBcAg; anti-HBcAg antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b.?
Clone Number	ABM021
Specificity	HEPATITIS B CORE ANTIGEN (HBcAg)
Purity/Purification	Protein A affinity purification eluted according to the isotyping IgG2b.?
Sequence Length	183
Applicable Applications for anti-HBcAg antibody	RIA (Radioimmunoassay), FCM/FACS (Flow Cytometry), ELISA
Affinity Constant	2x10 ⁹ L/Mol
Immunogen	Recombinant HBcAg
Lymphocyte Strain	Balb/c mouse
Myeloma	Sp2/0
Immunization Procedure	100ul of emulsion, mixed with equal volume of HBcAg solution and Freund complete adjuvant is 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 of high titer of antibody yield will be chosen for the fusion procedure.
Fusion Procedure	Fusion is started by the addition of 50%PEG to the mixture of spleen cells and myeloma cells. Pelletize cells after 8 minutes by a centrifuge. Resuspend cells by HAT, and dispense the cells suspension to 96 well cell culture plates.
Screening Method	EIA method is used for clone screening, in which HBcAg is labeled with HRP for the screening of positive clones.
Target Antigen	HBcAg 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 IgG to the EIA test against normal human sera and HBcAg positive sera specimens; no cross reaction was found with HBeAg, HBsAg, HCV and AFP.
Preparation and Storage	Short term storage: 2-8°C Long term storage: -20°C

NCBI AND UNIPROT INFORMATION

NCBI GI #	1332057708
NCBI GeneID	944568
NCBI Official Full Name	HBcAg
NCBI Official Symbol	C
NCBI Protein Information	C0 uORF;capsid protein;pre-capsid 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/hbcag-antibody-clone-abm021-radioimmunoassay-flow-cytometry-elisa/71355>