

Order Information

Description:	Mouse anti-HBeAg
Catalogue#:	603-280
Lot#:	907-990
Size:	100 ug/200 ul
Host:	Mouse
Clone:	ABM043
Isotyping:	IgG1.κ
Application:	ELISA, FC, RIA
Reactivity:	Hu

Mouse anti-HBeAg Monoclonal Antibody

Synonym: Hepatitis B e-antigen (HBeAg)

SPECIFICATIONS AND CLONE INFORMATION:

CLONE NUMBER: ABM043
DESCRIPTION: IgG1.κ
SPECIFICITY: HEPATITIS B E-ANTIGEN (HBeAg)
AFFINICITY CONSTANT: 2x10⁹ L/Mol
IMMUNOGEN: Recombinant HBeAg
LYMPHOCYTE STRAIN: Balb/c mouse
MYELOMA: P3x63 Ag 8.653

IMMUNIZATION PROCEDURE:

100ul of emulsion, mixed with equal volume of HBeAg 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 HBeAg is labeled with HRP for the screening of positive clones.

TARGET ANTIGEN:

HBeAg 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 HBeAg positive sera specimens; no cross reaction was found with HBcAg, HBsAg, HCV and AFP.

PURIFICATION METHOD:

Protein A affinity purification eluted according to the isotyping IgG1.κ.

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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