

Mouse anti-Human HBV-preS1 Monoclonal Antibody

HBV-PreS1 (Detection Ab)

CATALOG # AAA58836	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

HBV-preS1; Monoclonal Antibody; HBV-PreS1 (Detection Ab); Monoclonal Anti- HBV-PreS1 (Detection Ab); anti-HBV-preS1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D8
Specificity	It specifically recognize C-terminal epitope of HBV-PreS1, and does not cross react with BSA, HBV-PreS2 and HBV-S antigens.
Purity/Purification	>95% by HPLC & SDS-PAGE
Form/Format	Liquid; Protein A or G purified and supplied in 0.01 M PBS (pH7.4) without preservative.
Concentration	5.76 mg/ml (varies by lot)
Applicable Applications for anti-HBV-preS1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminal of HBV-PreS1.
Preparation and Storage	Aliquot and store at -20°C for long term (at least one year). Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-HBV-preS1 antibody	Background: Hepatitis B virus (HBV), is a species of the genus Orthohepadnavirus, which is likewise a part of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B which is an infectious inflammatory illness of the liver and affects hominoidea, including humans. There are four known genes encoded by the genome called C, X, P, and S. Gene S is the gene that codes for the surface antigen (HBsAg). And HBsAg gene is one long open reading frame but contains three in frame "start" (ATG) codons that divide the gene into three sections, pre-S1, pre-S2, and S. The double interaction between the HBV capsid and both S and pre-S1 domains may be required for virion morphogenesis.
References	1. Hunt, Richard (2007-11-21). "Hepatitis viruses". University of Southern California, Department of Pathology and Microbiology. Retrieved 2008-03-13. 2. Hassan MM, Li D, El-Deeb AS, et al. (October 2008). "Association between hepatitis B virus and pancreatic cancer". J. Clin. Oncol. 26 (28): 4557-62. 3. Francis poisson, Anne severac, Christophe hourieux, Alain goudeau, Philippe roingear. Both Pre-S1 and S Domains of Hepatitis B Virus Envelope Proteins Interact with the Core Particle. Virology. Volume 228, Issue 1, 3 February 1997, Pages 115-120.

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.