HBsAg Mouse Monoclonal Antibody

Product Information

Catalog No.:	HBV001
Size:	100μg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
IsoType:	IgG2a
Storage:	20mM PBS, 0.1% proclin300, store at 2-8°C up to 21 days, -20°C for long-term storage. Don't repeated freeze-thaw.

Background

The large envelope protein exists in two topological conformations, one which is termed 'external' or Le-HBsAg and the other 'internal' or Li-HBsAg. In its external conformation the protein attaches the virus to cell receptors and thereby initiating infection. This interaction determines the species specificity and liver tropism. This attachment induces virion internalization predominantly through caveolin-mediated endocytosis. The large envelope protein also assumes fusion between virion membrane and endosomal membrane (Probable). In its internal conformation the protein plays a role in virion morphogenesis and mediates the contact with the nucleocapsid like a matrix protein.

Immunogen information

Immunogen:	HBsAg
Synonyms:	Large envelope protein, Large surface protein, Large S protein, Major surface antigen
Calculated MW:	43kDa

Application

Specificity:	Human
Tested Application:	ELISA, test strip

Precautions

1. For professional users.

2. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the test system applied.