

Product datasheet for **BM3321**

Hepatitis B Surface Antigen / HBsAg Mouse Monoclonal Antibody [Clone ID: HB5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HB5
Applications:	ELISA
Recommended Dilution:	Detection of HBsAg in two-site enzyme Immunoassay. Use this antibody as Capture in ELISA and BM3320 for Detection.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant HBsAg of ayw subtype.
Specificity:	Hepatitis B virus surface antigen. Reacts with the following HBsAg subtypes: ayw1, ayw2, ayw3, ayw4, ayr, adw2, adw4, adrq+, adrq-, ayw3 (Fer).
Formulation:	PBS, pH 7.4 with 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Background:	Hepatitis B Virus (HBV) infection induces a disease state which manifests itself in a variety of ways, characterized by the extent of liver damage, inflammation and viral persistence. HBV infection is also associated with a 100 fold increased risk of hepatocellular carcinoma and currently infects over 250 million people worldwide. HBV has a partially double stranded 3.2 kilobase DNA genome which contains four open reading frames. One of these encodes a 154 amino acid protein called the HBx protein. HBx has been shown to be a transcriptional transactivator of both viral and cellular promoters. Lacking a DNA binding domain and nuclear localization signal, HBx is believed to exert transcriptional activity through protein protein interaction.



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Synonyms: HBV surface antigen, Hepatitis B Virus