

Product datasheet for **BM3316**

Hepatitis B Surface Antigen / HBsAg (ad/ay) Mouse Monoclonal Antibody [Clone ID: 86C]

Product data:

Product Type:	Primary Antibodies
Clone Name:	86C
Applications:	ELISA
Recommended Dilution:	ELISA: As Detection antibody, use BM3315 for Capture and rapid assay formats.
Reactivity:	Hepatitis B Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Native HBsAg (ad/ay)
Specificity:	Recognizes Hepatitis B Surface Antigen (HBsAg), ad/ay subtype. Immunoreactive with all HBsAg A antigens.
Formulation:	PBS without preservatives State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with Deionized water
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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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.

Synonyms:

HBV surface antigen, Hepatitis B Virus