

## Product datasheet for **BM3319**

### Hepatitis B Surface Antigen / HBsAg (adw/ayw) Mouse Monoclonal Antibody [Clone ID: S35]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	S35
Applications:	ELISA, EM, IF, IHC
Recommended Dilution:	<b>ELISA</b> <b>Immunofluorescent.</b> <b>Immunoperoxidase staining.</b> <b>Immunoelectron Microscopy.</b>
Reactivity:	Hepatitis B Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HBsAg purified from Human sera pool. Source: Ascites.
Specificity:	Recognizes HBsAg antigen (Adw/ayw).
Formulation:	PBS, pH 7.2 without preservatives. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A Sepharose Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or at -20°C for longer. 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