

Product datasheet for **BM3262**

Hepatitis B Surface Antigen / HBsAg (adw) Mouse Monoclonal Antibody [Clone ID: S26]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S26
Applications:	ELISA, EM, IF, IHC, WB
Recommended Dilution:	Suitable for use in Immunofluorescent and immunoperoxidase staining, Western blot, ELISA and Immuno electron microscopy.
Reactivity:	Hepatitis B Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HBsAg from human sera pool.
Specificity:	HBsAg pre-S2 antigen (a.a. 132-137) (adw nomenclature). Reference start codon was Pre-S1. Epitope recognition confirmed by competing with peptides.
Formulation:	PBS, pH 7.4 without preservative. State: Azide Free State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody 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