

BM3319**Monoclonal Antibody to Hepatitis B Surface Antigen / HBsAg (adw/ayw) - Purified**

Alternate names:	HBV surface antigen, Hepatitis B Virus
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (Bradford method)
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.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	S35
Immunogen:	HBsAg purified from Human sera pool. Source: Ascites.
Format:	State: Liquid purified Ig fraction. Purification: Protein A Sepharose Chromatography. Buffer System: PBS, pH 7.2 without preservatives.
Applications:	ELISA Immunofluorescent. Immunoperoxidase staining. Immunoelectron Microscopy. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes HBsAg antigen (Adw/ayw).
Storage:	Store the antibody undiluted at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.