

BM3320**Monoclonal Antibody to Hepatitis B Surface Antigen / HBsAg (ayw) - Purified**

Alternate names:	HBV surface antigen, Hepatitis B Virus
Quantity:	1 mg
Concentration:	5.6 mg/ml (OD280 nm, E0.1% = 1.4)
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:	HB6
Immunogen:	Recombinant HBsAg of ayw subtype
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.
Applications:	Suitable for use in two-site ELISA (as Detection antibody, use BM3321 for Capture). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Hepatitis B virus surface antigen. Reactive with the following HBsAg subtypes: ayw1, ayw2, ayw3, ayw4, ayr, adw2, adw4, adrq+, adrq-, ayw3 (Fer)
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.