

BP2029B**Polyclonal Antibody to Hepatitis B Surface Antigen / HBsAg (ad/ay) - Biotin****Alternate names:**

HBV surface antigen, Hepatitis B Virus

Quantity:

1 ml

Concentration:

4-5 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:

Rabbit

Immunogen:

Hepatitis B surface antigen purified from human serum. Mixture of subtypes ad & ay

Format:**State:** Liquid purified Ig fraction.**Buffer System:** 10 mM PBS pH 7.2 with 0.09% sodium azide as preservative and no stabilizing proteins.**Label:** Biotin – IgG fraction is covalently coupled with the N-Hydroxysuccinimide ester of under mild conditions to give a high degree of substitution**Applications:**

Avidin and streptavidin amplification systems for ELISA.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Monospecific, reacts only with Hepatitis B surface antigen including the pre-S1 epitope. This antibody is non-reactive with normal human serum.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.