

## Product datasheet for **AM00877PU-N**

### Hepatitis B Surface Antigen / HBsAg (ad/ay) Mouse Monoclonal Antibody [Clone ID: BID40]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BID40
Applications:	ELISA
Recommended Dilution:	Suitable for use in Enzyme Conjugation, Radio Labeling, or Solid Phase Coating.
Reactivity:	Hepatitis B Virus
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Hepatitis B Surface antigen
Specificity:	This antibody reacts with the ad and ay subtype of the Hepatitis B virus surface antigen.
Formulation:	0.015 M Potassium Phosphate, pH 7.4 containing 0.85% Sodium Chloride and 0.09% Sodium Azide State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	DEAE Column Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
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