

Product datasheet for **AM00878PU-N**

Hepatitis B Surface Antigen / HBsAg (ay) Mouse Monoclonal Antibody [Clone ID: 057-17004]

Product data:

Product Type:	Primary Antibodies
Clone Name:	057-17004
Applications:	ELISA
Recommended Dilution:	ELISA: Use this antibody as Detection and AM00876PU-N as Capture antibody.
Reactivity:	Hepatitis B Virus
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified HBsAg subtypes ad and ay
Specificity:	This antibody reacts to Hepatitis B Surface Antigen (HBsAg) ay subtype.
Formulation:	10mM Phosphate, pH 7.4 containing 150mM Sodium Chloride and 0.05% Sodium Azide State: Purified State: Liquid (0.2µm filtered) purified IgG fraction (>90% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at -40°C for longer. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



[View online »](#)

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