

# Anti-Hepatitis B Virus Surface Antigen antibody [HB3] ab8256

### Overview

<b>Product name</b>	Anti-Hepatitis B Virus Surface Antigen antibody [HB3]
<b>Description</b>	Mouse monoclonal [HB3] to Hepatitis B Virus Surface Antigen
<b>Host species</b>	Mouse
<b>Specificity</b>	Recognizes following Hepatitis B virus subtypes:ayw2, ayw3, ayw4, ayr, adw2, adw4, adrq+, adrq-. Specificity of MAb HB3 was verified by ELISA on panel of International Workshop on HBsAg Subtypes (Paris, April 1975). This antibody does not cross-block with <a href="#">ab8333</a> and is therefore suitable for use with <a href="#">ab8333</a> as a matched pair.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Hepatitis B virus
<b>Immunogen</b>	Full length native protein (purified from human plasma).
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
<b>Purity</b>	Proprietary Purification
<b>Purification notes</b>	Purified from TCS. Purified by precipitation and chromatography. Purity >95% by SDS-PAGE.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HB3

<b>Myeloma</b>	unknown
<b>Isotype</b>	IgG1
<b>Light chain type</b>	unknown

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab8256 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
ICC		Use at an assay dependent dilution.

## Target

**Relevance** 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.

**Cellular localization** Virion membrane

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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