



# Anti-HBV Surface Antigen Monoclonal antibody, Clone C499M (DMAB3532)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Hepatitis B Surface Antigen, ad and ay subtypes
<b>Target</b>	HBV Surface Antigen
<b>Immunogen</b>	Purified Hepatitis B Surface Antigen
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	HBV
<b>Clone</b>	C499M
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	Ion exchange chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA and Lateral flow assay. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	12.3mg/ml (OD280nm)
<b>Size</b>	1 mg
<b>Buffer</b>	PBS

<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Short term (up to 15 days) store at 2–8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycle

## BACKGROUND

<b>Introduction</b>	Hepatitis B Virus (HBV) infection induces a disease state characterised by liver damage, inflammation and viral persistence. Infection also increases the risk of hepatocellular carcinoma. HBV belongs to the Hepadnaviridae family of viruses. Its genome consists of partially double stranded circular DNA. The DNA is enclosed in a nucleocapsid, or core antigen (HBcAg), which is surrounded by a spherical envelope (surface antigen or HBsAg). The core antigen shares its sequences with the e antigen (HBeAg) but no cross reactivity between the two proteins has been observed. The HBV genome also encodes a DNA polymerase that also acts as a reverse transcriptase.
<b>Keywords</b>	HBsAg; HBV major surface antigen; HBV surface antigen; Hepatitis B Virus major surface antigen; Major surface antigen; S; Hepatitis B Surface Antigen; Hepatitis B Virus Surface Antigen; Hepadnaviridae; Orthohepadnavirus; Hepatitis B virus; HBV