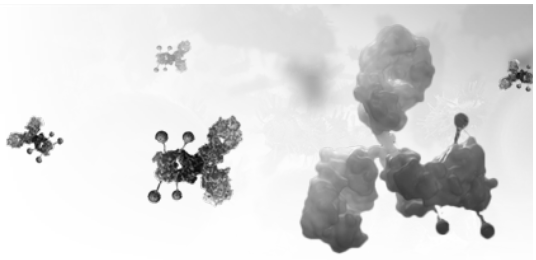

Anti-HBV Surface Antigen Monoclonal antibody, Clone C118M (DMAB3528)

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

PRODUCT INFORMATION

Specificity	Recognizes Hepatitis B surface antigen, subtypes ad & ay. Does not cross-react with normal human serum
Target	HBV Surface Antigen
Immunogen	Purified HBsAg
Isotype	IgG
Source/Host	Mouse
Species Reactivity	HBV
Clone	C118M
Affinity Constant	Not determined
Purification	90% pure. Protein A chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. 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. Recommended pairs for sandwich immunoassay: • **Capture** DMAB3528 DMAB3528 • **Detection**

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DPAB0227
DMAB3529

	Suggested pair for testing (Capture - Detection): DMAB3528 - DMAB3529
Format	Purified, Liquid
Concentration	Lot specific (OD280nm, E0.1%= 1.3)
Size	1 mg
Buffer	0.01M PBS, pH 7.2. Product contains no stabilizing protein.
Preservative	0.1% Sodium Azide
Storage	Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Hepatitis B Virus (HBV) infection inducesa disease state characterised by liver damage, inflammation and viralpersistence. Infection also increases the risk of hepatocellular carcinoma.HBV belongs to the Hepadnaviridae family of viruses. Its genome consists ofpartially double stranded circular DNA. The DNA is enclosed in anucleocapsid, or core antigen (HBcAg), which is surrounded by a sphericalenvelope (surface antigen or HBsAg). The core antigen shares its sequenceswith the e antigen (HBeAg) but no cross reactivity between the two proteinshas been observed. The HBV genome also encodes a DNA polymerase that alsoacts as a reverse transcriptase.
Keywords	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

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