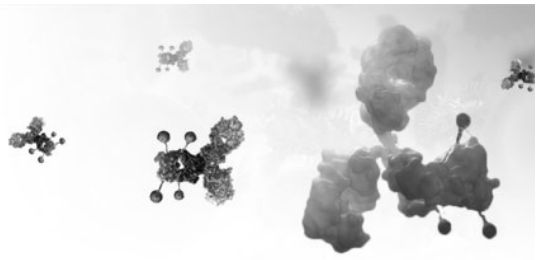

Anti-HBV Surface Antigen Monoclonal antibody, Clone Is34 (DMAB3520)

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

PRODUCT INFORMATION

Specificity	Hepatitis B virus surface antigen. Reacts with the following HBsAg subtypes: ayw1, ayw2, ayw3, ayw4, ayr, adw2, adw4, adrq+, adrq- and ayw3 (Fer).
Target	HBV Surface Antigen
Immunogen	Recombinant HBsAg of ayw subtype
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	HBV
Clone	Is34
Affinity Constant	Not determined
Purification	95% pure (SDS-PAGE). Protein G 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** DMAB3520 • **Detection** DMAB3521

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	Suggested pair for testing (Capture - Detection): DMAB3520 - DMAB3521
Procedure	Matched Antibody Pairs
Format	Purified, Liquid
Concentration	4.0mg/ml (OD280nm, E0.1%=1.4)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.
Warnings	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

BACKGROUND

Introduction	Hepatitis B Virus (HBV) infection inducesa disease state characterised by liver damage, inflammation and viral persistence.Infection also increases the risk of hepatocellular carcinoma. HBV belongs tothe Hepadnaviridae family of viruses. Its genome consists of partially doublestranded circular DNA. The DNA is enclosed in a nucleocapsid, or core antigen(HBcAg), which is surrounded by a spherical envelope (surface antigen orHBsAg). The core antigen shares its sequences with the e antigen (HBeAg) butno cross reactivity between the two proteins has been observed. The HBVgenome also encodes a DNA polymerase that also acts as a reversetranscriptase.
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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