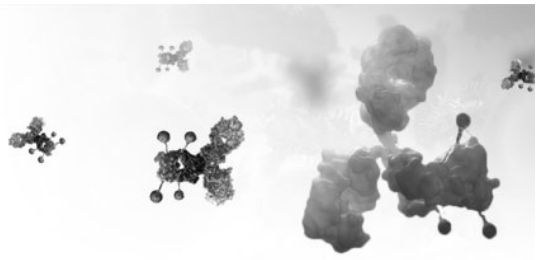

Anti-HBV Core Protein Monoclonal antibody, Clone C948M (DMAB3495)

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

PRODUCT INFORMATION

Specificity	Reacts with HBcAg, adw and ayw
Target	HBV Core Protein
Immunogen	Full-length HBcAg recombinant
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	HBV
Clone	C948M
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** DMAB3493 • **Detection** DMAB3495

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	Suggested pair for testing (Capture - Detection): DMAB3493 - DMAB3495
Procedure	Matched Antibody Pairs
Format	Purified, Liquid
Concentration	100ug/ml (OD280nm, E0.1%= 1.3)
Size	1 mg
Buffer	0.01M PBS, pH 7.2. This product contains no stabilizing proteins.
Preservative	0.1% Sodium Azide
Storage	Short term store at 2-8°C. Long term aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
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	HepatitisB Virus Core Antigen (HBcAg) is part of the infectious virion containing aninner "core particle" enclosing the viral genome. The icosahedralcore particle contains 180 or 240 copies of the core protein. HBcAg is one ofthe three major clinical antigens of hepatitis B virus but disappears earlyin the course of infection. The hepatitis B virus core antigen (HBcAg) is ahighly immunogenic subviral particle and functions as both a T-cell-dependentand a T-cell-independent antigen. Therefore, HBcAg may be a promisingcandidate target for therapeutic vaccine control of chronic HBV infection.
Keywords	Hepatitis B Virus Core Antigen; HBcAg; Core antigen; C; Core; HBc; Hepadnaviridae; Orthohepadnavirus; Hepatitis B virus; HBV

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