



# 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	<p>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.</p> <p>Recommended pairs for sandwich immunoassay:</p> <ul style="list-style-type: none"><li>• <b>Capture</b> <a href="#">DMAB3493</a></li><li>• <b>Detection</b> <a href="#">DMAB3495</a></li></ul>

Suggested pair for testing (Capture - Detection): [DMAB3493](#) - DMAB3495

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	100ug/ml (OD280nm, E0.1%= 1.3)
<b>Size</b>	1 mg
<b>Buffer</b>	0.01M PBS, pH 7.2. This product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short term store at 2-8°C. Long term aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	HepatitisB Virus Core Antigen (HBcAg) is part of the infectious virion containing an inner "core particle" enclosing the viral genome. The icosahedral core particle contains 180 or 240 copies of the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection. The hepatitis B virus core antigen (HBcAg) is a highly immunogenic subviral particle and functions as both a T-cell-dependent and a T-cell-independent antigen. Therefore, HBcAg may be a promising candidate target for therapeutic vaccine control of chronic HBV infection.
<b>Keywords</b>	Hepatitis B Virus Core Antigen; HBcAg; Core antigen; C; Core; HBc; Hepadnaviridae; Orthohepadnavirus; Hepatitis B virus; HBV