



# Anti-HBV Envelope Antigen Monoclonal antibody, Clone CDI815 (DMAB3513)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Specific for the 'e' antigen of Hepatitis B Virus
<b>Target</b>	HBV Envelope Antigen
<b>Immunogen</b>	Recombinant HBeAg
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	HBV
<b>Clone</b>	CDI815
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	90% pure. Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<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="#">DMAB3511</a></li> <li>• <b>Detection</b> <a href="#">DMAB3513</a></li> </ul>

Suggested pair for testing (Capture - Detection): [DMAB3511](#) - DMAB3513

<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. Product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Upon receipt, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles

## BACKGROUND

### Introduction

Hepatitis B e-antigen (HBeAg) is a viral protein associated with HBV infections. Unlike the surface antigen, the e-antigen is found in the blood only when there are viruses also present. When the virus goes into "hiding," the e-antigen will no longer be present in the blood. HBeAg is often used as a marker of ability to spread the virus to other people (infectivity). Measurement of e-antigen may also be used to monitor the effectiveness of HBV treatment; successful treatment will usually eliminate HBeAg from the blood and lead to development of antibodies against e-antigen (anti-HBe). There are some types (strains) of HBV that do not make e-antigen; these are especially common in the Middle East and Asia. In areas where these strains of HBV are common, testing for HBeAg is not very useful.

### Keywords

Hepatitis B Virus Core Antigen; HBcAg; Core antigen; C; Core; HBc; Hepatitis B "e" Antigen; HBeAg; Hepadnaviridae; Orthohepadnavirus; Hepatitis B virus; HBV; Core protein; HBe antigen; HBVgp4; Pre C,C; Precore protein; Precore/core; Precore/core ORF; Precore/core protein