



# Magic™ Mouse Anti-HBcAg Monoclonal antibody, clone N526 (DMAB-CS23187)

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

## PRODUCT INFORMATION

<b>Specificity</b>	HBcAg
<b>Target</b>	HBcAg
<b>Immunogen</b>	Recombinant HBcAg
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	HBV
<b>Clone</b>	N526
<b>Purification</b>	Protein A
<b>Conjugate</b>	unconjugated
<b>Applications</b>	LFIA, ELISA (Det), WB
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	10 mM Phosphate Buffered Saline, pH 7.4
<b>Preservative</b>	0.05% Proclin 300
<b>Storage</b>	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.

## BACKGROUND

**Introduction**

HBV is an enveloped DNA virus with a 3.2-kb covalently closed circular DNA, which replicates within the nucleus of infected hepatocytes (Seeger & Mason, 2015). Four genes are present on the virus genome; pre-core/core, polymerase (P), envelope (pre-S1/pre-S2/S) and X. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection. It is a highly immunogenic subviral particle comprising 180 or 240 copies of the core protein and functions as both a T-cell-dependent and a T-cell-independent antigen.

**Keywords**

HBV Core Antigen; hepatitis B Core Antigen; HBcAg; HBV; Hepatitis B Virus