

Product datasheet for **BM3264**

Hepatitis B Core Antigen / HBcAg (ayw, 135-140) Mouse Monoclonal Antibody [Clone ID: 13A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	13A9
Applications:	ELISA, IF, IP, WB
Recommended Dilution:	Immunofluorescence, ELISA, Western blot, Immunoprecipitation of in vitro-translated core and pre-core proteins.
Reactivity:	Hepatitis B Virus
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant HBcAg core antigen (ayw)
Specificity:	This antibody is specific for HBcAg core antigen. Amino acids 135-140 core antigen. Reacts with synthetic HBc peptides. Strongly recognizes Woodchuck Hepatitis virus core (WHc), but not Duck Hepatitis B virus core (DHBC) in ELISA and immunoblot.
Formulation:	PBS, pH 7.4 without preservatives. State: Azide Free State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein A chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Background:

Hepatitis B 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.

Synonyms:

HBV Capsid protein, HBV Core protein, p21.5