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Product datasheet for BM3264B

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, WB
Recommended Dilution:	ELISA. Western blot. Strongly recognizes WHc (but not DHBc) in ELISA and immunoblot. 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 reacts to HBcAg core antigen (amino acids 135-140). Reacts with synthetic HBc peptides.
Formulation:	PBS, pH 7.4 Label: Biotin State: Liquid purified IgG
Purification:	Protein A chromatography
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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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

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