

Product datasheet for **BM3263**

Hepatitis B Core Antigen / HBcAg (ayw) Mouse Monoclonal Antibody [Clone ID: C1]

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | C1 |
| Applications: | ELISA, IF, IHC, WB |
| Recommended Dilution: | Immunofluorescent and immunoperoxidase staining of infected liver tissues and HBV-transfected hepatoma cells. Immuno electron microscopy. Western blot. ELISA. |
| Reactivity: | Hepatitis B Virus |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant HBcAg core antigen (ayw) |
| Specificity: | This antibody detects Hepatitis B Virus Core antigen (a.a. 70-80) |
| Formulation: | PBS 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. |



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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