

**BM3264B****Monoclonal Antibody to Hepatitis B Core Antigen / HBcAg (ayw, 135-140) - Biotin**

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| <b>Alternate names:</b>              | HBV Capsid protein, HBV Core protein, p21.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Quantity:</b>                     | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Background:</b>                   | 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. |
| <b>Host / Isotype:</b>               | Mouse / IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Recommended Isotype Controls:</b> | SM12B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clone:</b>                        | 13A9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen:</b>                    | Recombinant HBcAg core antigen (ayw)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format:</b>                       | <b>State:</b> Liquid purified IgG<br><b>Purification:</b> Protein A chromatography<br><b>Buffer System:</b> PBS, pH 7.4<br><b>Label:</b> Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>                 | ELISA.<br>Western blot.<br>Strongly recognizes WHc (but not DHbc) in ELISA and immunoblot.<br>Immunoprecipitation of in vitro-translated core and pre-core proteins.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity:</b>                  | This antibody reacts to HBcAg core antigen (amino acids 135-140). Reacts with synthetic HBc peptides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage:</b>                      | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |