



HBV Active Antigen (DAG-P2157)

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

PRODUCT INFORMATION

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| Product Overview | Active hepatitis b virus Hepatitis B Virus Core Antigen full length protein |
| Antigen Description | 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. |
| Species | HBV |
| Purity | > 95 % by SDS-PAGE. |
| Conjugate | Unconjugated |
| Applications | ELISA SDS-PAGE |
| Molecular Weight | 18 kDa |
| Bio-activity | Active hepatitis b virus Hepatitis B Virus Core Antigen full length protein is immunoreactive with sera from HBV-infected individuals. |
| Format | Liquid |
| Size | 0.5 mg |
| Buffer | Constituents: 49% PBS, 50% Glycerol |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 49% PBS, 50% Glycerol This product is an active protein and may elicit a |

BACKGROUND

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| Introduction | Hepatitis B virus, abbreviated HBV, is a species of the genus Orthohepadnavirus, which is likewise a part of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B. |
| Keywords | C; Capsid protein; Core and e antigen; Core antigen; Core protein; HBc; HBcAg; HBVgp4; Hepatitis B Virus core antigen; p21.5; precore/core protein; |
