Overview

Product name: Recombinant Hepatitis B Virus Core Antigen protein
Protein length: Protein fragment

Description

Nature: Recombinant
Source: Escherichia coli
Amino Acid Sequence
Amino acids: 1 to 183

Specifications

Our Abpromise guarantee covers the use of ab49013 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity: Reacts strongly with human HBV positive serum.
Applications
- SDS-PAGE
- ELISA
- Western blot

Purity: > 95 % SDS-PAGE.
Form: Liquid
Additional notes: Reacts strongly with human HBV positive serum.

Preparation and Storage

Stability and Storage
- Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.
- Avoid freeze / thaw cycle.
- pH: 7.20
- Constituents: 0.02% PBS, 50% Glycerol, 0.435% Sodium chloride
**Relevance**

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.

**Cellular localization**

Capsid protein: Virion. Host cytoplasm, hepatocyte nucleus.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
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