

Product datasheet

Recombinant Hepatitis B Virus Core Antigen protein ab49013

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
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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.

Preservative: None
Constituents: 50% Glycerol, 75mM Sodium chloride, 7.5mM PBS, pH 7.2

General Info

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.

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