

Product Specification Sheet

Hepatitis B Core antigen Antibody

| | | |
|--|--|---------------------|
| <input type="checkbox"/> Cat # HBC11-A | Rabbit anti-Hepatitis B core antigen antibody, affinity purified | SIZE: 100 ug |
| <input type="checkbox"/> Cat # HBC11-S | Rabbit Anti-Hepatitis B core antigen (anti-HBcAg) antiserum | SIZE: 100 ul |

Hepatitis B Virus Core Antigen (HBcAg) is an antigen that can be found on the surface of the nucleocapsid core (the inner most layer of the hepatitis b virus). While both HBcAg and HBeAg are made from the same open reading frame, HBcAg is not secreted. HBcAg is considered "particulate" and it does not circulate in the blood. However, it is readily detected in hepatocytes after biopsy. The presence of both HBcAg and HBeAg proteins together act as a marker of viral replication, and antibodies to these antigens are a marker of declining replication. HBcAg (core antigen) is a hepatitis B viral protein. It is an indicator of active viral replication; this means the person infected with Hepatitis B can likely transmit the virus on to another person (i.e. the person is infectious).

Source of Antigen or Antibodies

Uniprot: ABI31779.1

Host: Rabbit

Clonality: Polyclonal

Immunogen: full length E.coli recombinant protein to Hepatitis B Core protein

Purification: Protein affinity purified

Specificity: Hepatitis B core protein

Alternative names: Core antigen, HBcAg

Subcellular Location: Host cytoplasm

Form & Storage of Antibodies/Peptide Control

Affinity pure IgG

100 ug/200 ul Solution; Concentration: 0.5 mg/mL
Supplied in PBS+0.1% BSA

Lyophilized powder

Reconstitute powder in 200 ul distilled water to 0.5 mg/ml

Antiserum

100 ul Solution Lyophilized powder
Reconstitute powder in 100 ul distilled water

Storage:

Short-term: 4°C for 1 month

Long-term: at -20°C or below in suitable aliquots after reconstitution for 1 year. Do not expose to multiple freeze/thaw cycles or store working, diluted solutions.

Recommended Usage

Western Blotting: 0.5-2 ug/ml using affinity pure.
Predicted band size: ~17.1 kDa

ELISA: Assay dependent concentration. Typically 0.1-2.0 ug/ml for capture/detection antibodies.

Above concentrations are a suggestion and user's must optimize assay based on their conditions. Antibody may work in other applications such as Flow Cytometry, IF, or IHC. These methods have not been tested by ADI.

**This product is for In vitro research use only.*

Related materials available from ADI

| Catalog# | Description |
|--------------|--|
| HBVC11-M | Mouse Monoclonal Anti-Hepatitis B Virus core antigen (HBcAg) IgG |
| HBVC15-R-25 | Recombinant (E. coli) Hepatitis B Virus core antigen (HBcAg) (1-183aa, 18 kda, >95%) |
| 4560 | Human Anti-Hepatitis B core (anti-HBcAg) IgG ELISA kit, 96 tests, Quantitative |
| 4565 | Human Anti-Hepatitis B core (anti-HBcAg) IgM ELISA kit, 96 tests, Quantitative |
| 4570 | Mouse Anti-Hepatitis B core (anti-HBcAg) IgG ELISA kit, 96 tests, Quantitative |
| 4575 | Mouse Anti-Hepatitis B core (anti-HBcAg) IgM ELISA kit, 96 tests, Quantitative |
| HBC11-M | Mouse Monoclonal anti-Hepatitis B core antigen (HBcAg) Clone#1 capture |
| HBC12-M | Mouse Monoclonal anti-Hepatitis B core antigen (HBcAg) Clone #2 detection |
| HBC15-R-10 | Recombinant Hepatitis B core antigen (HBcAg) protein (aa: 1-144, His Tag) |
| HBVC11-R-100 | Recombinant (E.coli) Hepatitis B Virus core antigen (HBcAg) (1-144 aa, 17 kda, >95%) |
| 4580 | Monkey Anti-Hepatitis B core (anti-HBcAg) IgG ELISA kit, 96 tests, Quantitative |
| 4585 | Monkey Anti-Hepatitis B core (anti-HBcAg) IgM ELISA kit, 96 tests, Quantitative |

HBC11-A

180515AC