

HBcAg recombinant protein

HBcAg Protein

CATALOG # AAA59088	HOST E. coli	APPLICATIONS ELISA
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PRODUCT SYNONYMS

HBcAg; HBcAg Protein; Capsid protein; Core antigen; Core protein; Hepatitis B core antigen; p21.5; Hepatitis BcAg; HBcAg recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid; Each vial contains 0.02 M sodium phosphate (pH7.2) without preservative.
Concentration	2.6 mg/ml (varies by lot)
Applicable Applications for HBcAg recombinant protein	ELISA
Inactivation	Heated for 10 hours at 60°C before ultracentrifugation.
Preparation and Storage	Ships on blue ice. Upon receipt, aliquot and store at -20°C or -80°C for long term. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HBcAg recombinant protein	Description: Recombinant full length human Hepatitis BcAg protein. Background: 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). Hepatitis B virus (HBV) core antigen (HBcAg)-specific CD4(+) T-cell responses are believed to play an important role in the control of human HBV infection. HBcAg-specific CD4(+) Th1-type T cells can modulate the function and exert a regulatory role in deleting HBcAg-binding, or -specific, human B cells in vivo, which may be of importance in controlling the infection
References	- Kimura T, Rokuhara A, Matsumoto A, et al. (May 2003). "New enzyme immunoassay for detection of hepatitis B virus core antigen (HBcAg) and relation between levels of HBcAg and HBV DNA". J. Clin. Microbiol. 41 (5): 1901-6. - Cao T, Meuleman P, Desombere I, Sällberg M, Leroux-Roels G (December 2001). "In vivo inhibition of anti-hepatitis B virus core antigen (HBcAg) immunoglobulin G production by HBcAg-specific CD4(+) Th1-type T-cell clones in a hu-PBL-NOD/SCID mouse model". J. Virol. 75 (23): 11449-56.

NCBI AND UNIPROT INFORMATION

NCBI GI #	442869615
NCBI Official Full Name	HBcAg, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.