

## Hepatitis B Core Protein (HBcAg)

CATALOG NUMBER: HBV-232-005P, 50 µg

<b>Applications</b>	Western Blot, ELISA, antigen, etc.
<b>Introduction</b>	<p>The hepatitis B core protein (HBcAg) is the major component of the nucleocapsid shell packaging the HBV genome. This 185 amino acid non-glycosylated protein is expressed in the cytoplasm of infected cells. 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.</p> <p>HBeAg is the extracellular form of HBcAg. Both <u>HBeAg</u> and HBcAg are made from the same reading frame, but HBeAg is secreted from cells and accumulates in serum as an immunologically distinct soluble antigen</p>
<b>Description</b>	The E.coli derived recombinant protein contains the HBV core immunodominant region amino acids 1-185
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Storage</b>	Store at 4 °C but should be kept at -20 °C for long term storage. Non-hazardous.
<b>Concentration</b>	50 µg (1 µg/µl), sterile filtered in 25 mM Tris-HCl, pH8.0, 50 mM NaCl, 1.5 mM EDTA, 1.5 mM Urea & 50% glycerol
<b>Purity</b>	> 90% pure by 10% SDS-PAGE gel
<b>Specificity</b>	Immunoreactive with sera HBV-infected individuals

