

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** R8A100 **Lot #:** 6K32722

**Description:** Hepatitis B Core Antigen, Recomb.  
Recombinant Hepatitis B Virus (HBV) Core Antigen (HBcAg) (Amino Acids 1–144)  
  
HBV core antigen (HBcAg) recombinant. Amino acids 1–144 of HBV core antigen, 14 kDa. Deleted DNA binding domain. Cloned from HBV 320 genome. Does not contain fusion partner.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** 95% pure (SDS-PAGE)

**Concentration:** 1 mg/mL (OD280nm)

**Buffer:** 7.5 mM Phosphate Buffer, 75 mM Sodium Chloride, pH 7.2 containing 50% Glycerol.

**Preservative:** None

**Applications:** Suitable for use in ELISA, Western Blot, Lateral Flow. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Short-term (up to 2 months) store at 2–8°C. Long term, aliquot and store at -80°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

**References:** The reference listed below is for research purposes only:  
Kondo, Y., et al., (2010), "Hepatitis B Virus Replication Could Enhance Regulatory T Cell Activity by Producing Soluble Heat Shock Protein 60 From Hepatocytes", Journal of Infectious Diseases, **202**(2): 202-213.

Quality Signature: 

22 Nov 2022

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**