

CERTIFICATE OF ANALYSIS

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

Catalog #: R65913 **Lot #:** 2G18222

Description: Hepatitis B pre-S1 Ag 13.5kDa Recomb.
Hepatitis B Virus pre-S1 Antigen, 13.5 kDa, Recombinant

Pre-S1 antigen, 108 a.a., no Pre-S2. Does not contain a fusion partner.

Source: *E. coli*

Format: Purified, Liquid

Purification: ~95% pure (SDS-PAGE).

Concentration: 1.7 mg/mL (OD280nm)

Buffer: Phosphate Buffered Saline, pH 7.2

Preservative: None

Applications: Suitable for use in ELISA and Western Blot immunoassay. 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: Aliquot and store at $\leq -20^{\circ}\text{C}$. Avoid multiple freeze/thaw cycles.

Inactivation: Not Applicable

References: The reference listed below is for research purposes only:
Miyata, R., et al., (2009), "Selective targeting by preS1 domain of hepatitis B surface antigen conjugated with phosphorylcholine-based amphiphilic block copolymer micelles as a biocompatible, drug delivery carrier for treatment of human hepatocellular carcinoma with paclitaxel", *Int. J. Cancer* **124**: 2460-2467.

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

Quality Signature:



01 Jul 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY