

Bioassayplus Inc.

4510 Rhodes Drive. Windsor, Canada N8W 5K5

Certificate of Analysis

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

Product name: CHO-expressed hepatitis B virus surface antigen

Catalog #: HBsAg-CHO

Description: Hepatitis B virus surface gene encodes small (HBs), middle (MHBs) and large (LHBs) surface protein. These proteins are translated from distinct start codons, but share a common reading frame and stop codon. HBs has 226 amino acids, a major viral envelope component.

HBsAg is an important parameter to establish a diagnosis of hepatitis B disease in the clinic and to monitor antiviral treatment. Whole length HBS surface antigen of HBV subtype adw was expressed from CHO cell line containing 226 amino acids, with molecular weight *about* 23kDa. This protein does not contain tag.

CHO expressed HBsAg is with the high sensitivity to react to human hepatitis B virus surface antibody, it can be used as the standard in the product quality control, ELISA test to verify the effectiveness of HBsAg vaccination and vaccine study.

Source: CHO cell line

Format: Purified, Liquid

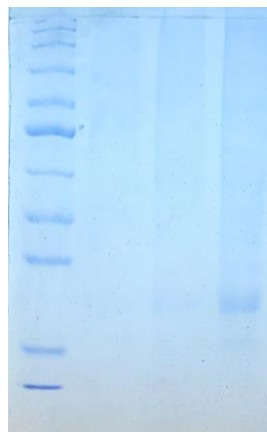
Purity: >95% pure (12% SDS-PAGE, Coomassie blue stain).

Concentration: 1.77mg/ml (Lot; 180801)
(Concentration is determined by UV, calculated by the Formula: $(OD_{280} * 1.45 - OD_{260} * 0.74) * 0.7$)

Buffer: PBS (pH6.50) with 0.01% NaN_3

Storage: store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store for at least 2 year at -20°C.

Applications: ELISA, lateral flow device, Western blot, vaccine study



CHO expressed HBsAg