

## CERTIFICATE OF ANALYSIS

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

**Catalog #:** R01403 **Lot #:** 3L33820

**Description:** HBsAg (adw) Recombinant  
Hepatitis B Surface Antigen (HBsAg) (adw) Recombinant  
  
Recombinant Hepatitis B Surface antigen (HBsAg) subtype adw. Does not contain a fusion partner.  
Molecular weight is ~ 25 kDa. Reactive with HBV positive human sera.

**Source:** *Pichia pastoris*

**Format:** Purified, Liquid

**Purification:** PEG precipitation, HAP and S300 chromatography. Major band at 24 kDa and a series of *Pichia pastoris* derived bands on 12% PAGE (Coomassie staining).

**Concentration:** 5.0 mg/mL

**Buffer:** 20 mM Sodium Carbonate-Bicarbonate, pH 9.3, 100 mM Sodium Chloride, 3 mM EDTA, 15% Glycerol.

**Preservative:** None

**Applications:** Suitable for use in ELISA. 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:** Store at 2-8°C. Do Not Freeze.

**Inactivation:** Not Applicable

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

Quality Signature:



04 DEC 2020

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**