

Cat # RP-448      Recombinant Hepatitis B Surface Antigen Adw subtype      **Size:**  10 ug     50 ug

**Introduction:**

HBsAg is the surface antigen of the Hepatitis-B-Virus (HBV). The capsid of a virus has different surface proteins from the rest of the virus. The antigen is a protein that binds specifically on one of these surface proteins. It is commonly referred to as the Australian Antigen.

**Source:**

Saccharomyces cerevisiae

**Physical Appearance:**

Sterile Filtered clear solution.

**Formulation:**

Sterile Filtered solution containing 10mM phosphate, 145mM sodium chloride and 0.1% NaN<sub>3</sub> as a preservative.

**Storage:**

If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

**Stability:**

HBsAg Should be stored at 4°C between 3-4 weeks and for future use should be stored desiccated below -18°C.

**Purity:**

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE Coomassie staining.

**Application:**

HBsAg was tested in ELISA with anti-HBsAg antibodies (capture and conjugate).

Immunochromatography (capture and conjugate).

Immunogen for monoclonal antibody production

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY.

The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals

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