



Product Data Sheet

Cat # RP-445 Recombinant Hepatitis B Surface Antigen ayw subtype, Saccharomyces **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. Recombinant HbsAg ayw full length is a 24kDa protein cloned from HBV 320 genome.

**Source:**

Saccharomyces cerevisiae

**Physical Appearance:**

Sterile Filtered clear solution.

**Formulation:**

Sterile Filtered solution containing 50% glycerol; 7.5 mM phosphate buffer pH 7.2 and 75mM NaCl.

**Storage:**

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

**Stability:**

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

**Purity:**

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE Coomassie staining.

**Applications:**

HBsAg protein 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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