Datasheet: PIP002

**Product Details**

**Description:** RECOMBINANT HEPATITIS B SURFACE ANTIGEN AD

**Name:** HEPATITIS B SURFACE ANTIGEN AD

**Other names:** HBsAg

**Format:** Rec. Protein

**Product Type:** Recombinant Protein

**Quantity:** 0.1 mg

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

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<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species**

Viral

**Product Form**

Recombinant Hepatitis B surface antigen AD

**Preparation**

Recombinant Hepatitis B surface antigen AD expressed in *Saccharomyces cerevisiae*

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

Total protein concentration 0.5 mg/ml

**Product Information**

Recombinant Hepatitis surface antigen is a *S. cerevisiae* derived preparation of the AD subtype surface antigen of the Hepatitis B virus (HBsAg), a protein component of the viral envelope predominantly expressed in the cytoplasm of infected hepatocytes. HBsAg has antigenic heterogeneity: two pairs of the subtypes d/y and w/r lead to antigenic combinations of adw, ayw, adr, and ayr.

Hepatitis B infection is normally diagnosed using serological tests that detect HBsAg. If HBsAg is detected in the blood for longer than six months, chronic hepatitis B is diagnosed.

**Protein Molecular**

24 kDa
Weight

Purity ~95% by SDS PAGE

References

Storage
Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
12 months from date of despatch

Health And Safety

Regulatory
For research purposes only