Datasheet: PIP002

BATCH NUMBER 152216

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

Product Details

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.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			

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 (NaN_3)
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 Weight	24 kDa
Purity	~95% by SDS PAGE
References	1. Cheng, S. *et al.* (2017) Hepatitis B Surface Antigen Promotes the Invasion of Hepatitis B Virus-Related Hepatocellular Carcinoma Cells by Upregulation of Toll-Like Receptor 2. Viral Immunol. 30 (3): 232-9.
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 Information	Material Safety Datasheet documentation #10258 available at: https://www.bio-rad-antibodies.com/SDS/PIP002 10258
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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