

Datasheet: PIP002

BATCH NUMBER 163071

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 <i>Saccharomyces cerevisiae</i> and purified via ionic exchange chromatography, size exclusion chromatography and sterile filtration.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Total protein concentration 0.5 mg/ml
Product Information	Recombinant Hepatitis surface antigen is a <i>S. cerevisiae</i> 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. <i>et al.</i> (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/PIP00210258
--------------------------------------	--

Regulatory	For research purposes only
-------------------	----------------------------

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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

'M389767:210806'

Printed on 29 Aug 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)