

Datasheet: OBT0990

**BATCH NUMBER 171418**

<b>Description:</b>	RABBIT ANTI HEPATITIS B SURFACE ANTIGEN
<b>Specificity:</b>	HEPATITIS B SURFACE ANTIGEN
<b>Other names:</b>	HBsAg
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin	▪			
ELISA	▪			1/10,000
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Viral
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to Hepatitis B were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Hepatitis B subtypes ad and ay.
<b>RRID</b>	AB_609657
<b>Specificity</b>	<p><b>Rabbit anti hepatitis B surface antigen antibody</b> recognizes Hepatitis B surface antigen, recognizing subtypes ad and ay. Hepatitis B virus is a major causative agent of acute and chronic liver disease in humans.</p> <p>Hepatitis B surface antigen (HBsAg) is a protein component of the viral envelope, which is expressed predominantly in the cytoplasm of infected hepatocytes.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Deng, L. <i>et al.</i> (2009) Hepatitis B virus inhibition in mice by lentiviral vector mediated short hairpin RNA. <a href="#">BMC Gastroenterol. 9: 73.</a></li> <li>Ying, R.S. <i>et al.</i> (2007) Hepatitis B virus is inhibited by RNA interference in cell culture and in mice. <a href="#">Antiviral Res. 73 (1): 24-30.</a></li> <li>Donate, A. <i>et al.</i> (2011) Evaluation of a Novel Non-Penetrating Electrode for Use in DNA Vaccination <a href="#">PLoS One. 6: e19181.</a></li> <li>Harahap-carrillo, I.S. <i>et al.</i> (2015) Immunogenic Subviral Particles Displaying Domain III of Dengue 2 Envelope Protein Vectedored by Measles Virus. <a href="#">Vaccines (Basel). 3 (3): 503-18.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/OBT0990">https://www.bio-rad-antibodies.com/SDS/OBT0990</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

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