Datasheet: OBT0990P

Description:	RABBIT ANTI HEPATITIS B SURFACE ANTIGEN:HRP
Specificity:	HEPATITIS B SURFACE ANTIGEN
Other names:	HBsAg
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/200 - 1/1000
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.

Target Species

Viral

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Antiserum Preparation

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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.002% Thiomersal
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 1.0mg/ml

Immunogen	Hepatitis B subtypes ad and ay.
RRID	AB_1510246
Specificity	**Rabbit anti hepatitis B surface antigen antibody** 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. Hepatitis B surface antigen (HBsAg) is a protein component of the viral envelope, which is expressed predominantly in the cytoplasm of infected hepatocytes.
ELISA	This product may be used as a detection reagent in a sandwich ELISA together with MCA4658 as the capture reagent.
References	1. Deng, L. *et al.* (2009) Hepatitis B virus inhibition in mice by lentiviral vector mediated short hairpin RNA. BMC Gastroenterol. 9: 73. 2. Ying, R.S. *et al.* (2007) Hepatitis B virus is inhibited by RNA interference in cell culture and in mice. Antiviral Res. 73 (1): 24-30. 3. Donate, A. *et al* (2011) Evaluation of a Novel Non-Penetrating Electrode for Use in DNA Vaccination PLoS One. 6: e19181. 4. Harahap-carrillo, I.S. *et al.* (2015) Immunogenic Subviral Particles Displaying Domain III of Dengue 2 Envelope Protein Vectored by Measles Virus. Vaccines (Basel). 3 (3): 503-18.
Storage	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10095 available at: https://www.bio-rad-antibodies.com/SDS/OBT0990P 10095
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)
TMB SIGNAL+ (BUF054A)

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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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