

Datasheet: OBT0990

BATCH NUMBER 159756

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| Description: | RABBIT ANTI HEPATITIS B SURFACE ANTIGEN |
| Specificity: | HEPATITIS B SURFACE ANTIGEN |
| Other names: | HBsAg |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 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.

| | 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.

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| Target Species | Viral |
| Product Form | Purified IgG - 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 | 0.1% Sodium Azide (NaN ₃) |

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| Approx. Protein Concentrations | IgG concentration 4.0 mg/ml |
| Immunogen | Hepatitis B subtypes ad and ay. |
| RRID | AB_609657 |
| Specificity | <p>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.</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> |
| References | <ol style="list-style-type: none"> Deng, L. <i>et al.</i> (2009) Hepatitis B virus inhibition in mice by lentiviral vector mediated short hairpin RNA. BMC Gastroenterol. 9: 73. Ying, R.S. <i>et al.</i> (2007) Hepatitis B virus is inhibited by RNA interference in cell culture and in mice. Antiviral Res. 73 (1): 24-30. Donate, A. <i>et al.</i> (2011) Evaluation of a Novel Non-Penetrating Electrode for Use in DNA Vaccination PLoS One. 6: e19181. Harahap-carrillo, I.S. <i>et al.</i> (2015) Immunogenic Subviral Particles Displaying Domain III of Dengue 2 Envelope Protein Vectedored by Measles Virus. Vaccines (Basel). 3 (3): 503-18. |
| Storage | <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> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/OBT0990 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

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

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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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