

Datasheet: 4940-1404

**BATCH NUMBER 153734**

<b>Description:</b>	GOAT ANTI HEPATITIS B SURFACE ANTIGEN AD/AY
<b>Specificity:</b>	HEPATITIS B SURFACE ANTIGEN AD/AY
<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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/200 - 1/1000
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 the appropriate negative/positive controls.

<b>Target Species</b>	Viral
<b>Product Form</b>	Purified IgG - liquid
<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 4.0 mg/ml
<b>Immunogen</b>	Hepatitis B Surface Antigen Subtypes AD & AY
<b>RRID</b>	AB_618824

<b>Specificity</b>	<b>Goat anti Hepatitis B Surface Antigen ad/ay antibody</b> recognizes Hepatitis B surface antigen (HBsAg), a protein component of the viral envelope which is predominantly expressed in the cytoplasm of infected cells. Hep B is a major causative agent of acute and chronic liver disease in humans ( <a href="#">Sumi et al. 2003</a> ).
<b>ELISA</b>	This purified goat HBsAg antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our <a href="#">HRP-conjugated HBsAg antibody</a> as the detection reagent and <a href="#">recombinant HBsAg</a> as the standard.
<b>References</b>	1. Ho, W. <i>et al.</i> (2000) Rapid infectious disease screening for field medical emergencies <a href="#">Digitization of the Battlespace V and Battlefield Biomedical Technologies II. 218</a>
<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<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/4940-1404">https://www.bio-rad-antibodies.com/SDS/4940-1404</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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](https://www.bio-rad-antibodies.com/datasheets)

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