

Datasheet: 4999-9007

**BATCH NUMBER 153763**

<b>Description:</b>	GOAT ANTI HUMAN IMMUNODEFICIENCY VIRUS 1 p24
<b>Specificity:</b>	HUMAN IMMUNODEFICIENCY VIRUS 1 p24
<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			■	
Western Blotting	■			1/1000
Immunofluorescence	■			

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>	4.0 mg/ml
<b>Immunogen</b>	Purified native p24, from strain IIIB.
<b>RRID</b>	AB_620016

<b>Specificity</b>	<p><b>Goat anti Human immunodeficiency virus 1 p24 antibody</b> recognizes the HIV1 viral capsid p24 protein encoded by the gag gene along with p6, p7 and p17 which provide structural elements of the virus.</p> <p>Goat anti Human immunodeficiency virus 1 p24 antibody does not cross-react with bovine sera, human sera or human T or B cells.</p>
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<b>References</b>	<ol style="list-style-type: none"> <li>1. Mazzolini, J. <i>et al.</i> (2010) Inhibition of phagocytosis in HIV-1-infected macrophages relies on Nef-dependent alteration of focal delivery of recycling compartments. <a href="#">Blood 115: 4226-36.</a></li> <li>2. Fenard, D. <i>et al.</i> (2009) Uracil DNA Glycosylase 2 negatively regulates HIV-1 LTR transcription. <a href="#">Nucleic Acids Res. 37: 6008-18.</a></li> <li>3. Eldin, P. <i>et al.</i> (2014) Vpr expression abolishes the capacity of HIV-1 infected cells to repair uracilated DNA. <a href="#">Nucleic Acids Res. 42 (3): 1698-710.</a></li> <li>4. Singh, K.K. <i>et al.</i> (2011) Expression of mannose binding lectin in HIV-1-infected brain: implications for HIV-related neuronal damage and neuroAIDS. <a href="#">Neurobehav HIV Med. 3: 41-52.</a></li> <li>5. Dumas, A. <i>et al.</i> (2015) The HIV-1 protein Vpr impairs phagosome maturation by controlling microtubule-dependent trafficking. <a href="#">J Cell Biol. 211 (2): 359-72.</a></li> <li>6. Eldin, P. <i>et al.</i> (2020) Impact of HIV-1 Vpr manipulation of the DNA repair enzyme UNG2 on B lymphocyte class switch recombination. <a href="#">J Transl Med. 18 (1): 310.</a></li> </ol>
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<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/4999-9007">https://www.bio-rad-antibodies.com/SDS/4999-9007</a></p> <p>10040</p>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M363186:200528'

Printed on 01 Mar 2024

