

Datasheet: 4999-9007

Description:	GOAT ANTI HUMAN IMMUNODEFICIENCY VIRUS 1 p24
Specificity:	HUMAN IMMUNODEFICIENCY VIRUS 1 p24
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
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.

Target Species	Viral
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Purified native p24, from strain IIIB.
RRID	AB_620016

Specificity	<p>Goat anti Human immunodeficiency virus 1 p24 antibody 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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References	<ol style="list-style-type: none"> 1. Fenard, D. <i>et al.</i> (2009) Uracil DNA Glycosylase 2 negatively regulates HIV-1 LTR transcription. Nucleic Acids Res. 37: 6008-18. 2. 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. Blood 115: 4226-36. 3. 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. Neurobehav HIV Med. 3: 41-52. 4. Eldin, P. <i>et al.</i> (2014) Vpr expression abolishes the capacity of HIV-1 infected cells to repair uracilated DNA. Nucleic Acids Res. 42 (3): 1698-710. 5. Dumas, A. <i>et al.</i> (2015) The HIV-1 protein Vpr impairs phagosome maturation by controlling microtubule-dependent trafficking. J Cell Biol. 211 (2): 359-72. 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. J Transl Med. 18 (1): 310. 7. Lê-Bury, G. <i>et al.</i> (2020) Increased intracellular survival of <i>Salmonella Typhimurium</i> ST313 in HIV-1-infected primary human macrophages is not associated with <i>Salmonella</i> hijacking the HIV compartment. Biol Cell. 112 (3): 92-101.
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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>
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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	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/4999-9007</p> <p>10040</p>
Regulatory	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
'M427971:240301'

Printed on 01 Mar 2024

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