

Datasheet: 4999-9007

BATCH NUMBER 168698

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 **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.

Goat anti Human immunodeficiency virus 1 p24 antibody does not cross-react with bovine sera, human sera or human T or B cells.

References

1. Fenard, D. *et al.* (2009) Uracil DNA Glycosylase 2 negatively regulates HIV-1 LTR transcription. [Nucleic Acids Res. 37: 6008-18.](#)
2. Mazzolini, J. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (2015) The HIV-1 protein Vpr impairs phagosome maturation by controlling microtubule-dependent trafficking. [J Cell Biol. 211 \(2\): 359-72.](#)
6. Eldin, P. *et al.* (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. *et al.* (2020) Increased intracellular survival of *Salmonella Typhimurium* ST313 in HIV-1-infected primary human macrophages is not associated with *Salmonella* hijacking the HIV compartment. [Biol Cell. 112 \(3\): 92-101.](#)

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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/4999-9007>
10040

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

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