

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	4.0 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. 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.](#)
2. Fenard, D. *et al.* (2009) Uracil DNA Glycosylase 2 negatively regulates HIV-1 LTR transcription. [Nucleic Acids Res. 37: 6008-18.](#)
3. 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.](#)
4. 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.](#)
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.](#)

Storage

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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