

## Datasheet: 4999-9157

<b>Description:</b>	GOAT ANTI HUMAN IMMUNODEFICIENCY VIRUS 1 p24:HRP
<b>Specificity:</b>	HUMAN IMMUNODEFICIENCY VIRUS 1 p24
<b>Format:</b>	HRP
<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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting	▪			1/20 - 1/200

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</b>	0.002% Thiomersal
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified native p24, from strain IIIB.
<b>RRID</b>	AB_619920

### 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.

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## 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.](#)

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## 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.

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## Guarantee

12 months from date of despatch

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## Health And Safety Information

Material Safety Datasheet documentation #10095 available at:  
10095: <https://www.bio-rad-antibodies.com/uploads/MSDS/10095.pdf>

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## Regulatory

For research purposes only

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## Related Products

### Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

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