

Datasheet: 4999-9007

BATCH NUMBER 161081

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| 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.

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| 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 |

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| 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. 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. 2. Fenard, D. <i>et al.</i> (2009) Uracil DNA Glycosylase 2 negatively regulates HIV-1 LTR transcription. Nucleic Acids Res. 37: 6008-18. 3. 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. 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. Neurobehav HIV Med. 3: 41-52. 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. |
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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> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
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| 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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| North & South America | <p>Tel: +1 800 265 7376</p> <p>Fax: +1 919 878 3751</p> <p>Email: antibody_sales_us@bio-rad.com</p> | Worldwide | <p>Tel: +44 (0)1865 852 700</p> <p>Fax: +44 (0)1865 852 739</p> <p>Email: antibody_sales_uk@bio-rad.com</p> | Europe | <p>Tel: +49 (0) 89 8090 95 21</p> <p>Fax: +49 (0) 89 8090 95 50</p> <p>Email: antibody_sales_de@bio-rad.com</p> |
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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)

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