



## DATA SHEET

**For research use only. Not for use in humans.**

<b>Reagent:</b>	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p24 (AG3.0)
<b>Catalog Number:</b>	ARP-4121
<b>Lot Number:</b>	70052504
<b>Release Category:</b>	E
<b>Provided:</b>	Each vial of ARP-4121 contains approximately 1 mL of unpurified cell culture supernatant.
<b>Description:</b>	ARP-4121 is a monoclonal antibody to HIV-1 p24, specifically to the N-terminus region (epitope: SPRTLNA).
<b>Host or Host Site:</b>	BALB/c mouse splenocyte × SP2/0-AG14 myeloma
<b>Special Characteristics:</b>	<p>The antibody was produced in cell culture and purified by affinity chromatography. It originates from a hybridoma. The hybridoma was created by fusing BALB/c mouse splenocytes with Sp2/10 myeloma cells.</p> <p>This antibody recognizes p24, p55 and p150 (gag-pol) from HIV-1, HIV-2 and multiple Simian Immunodeficiency Virus (SIV) species, including SIVagm and SIVmac.</p> <p>This antibody can be used in western blot analysis, flow cytometry, immunohistochemistry, radioimmunoprecipitation and antigen capture assays.</p> <p>The user should determine the optimal concentration for any application.</p>
<b>Recommended Storage:</b>	Store at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Dr. Marie-Claire Gauduin
<b>Isotype:</b>	IgG1
<b>References:</b>	<p>Simm, M., et al. "Aberrant Gag Protein Composition of a Human Immunodeficiency Virus Type 1 vif Mutant Produced in Primary Lymphocytes." <i>J. Virol.</i> 69 (1995): 4582-4586. PubMed: <a href="#">7769728</a>.</p> <p>Sanders-Beer, B. E., et al. "Characterization of a Monoclonal Anti-Capsid Antibody that Cross-React with Three Major Primate Lentivirus Lineages." <i>Virology</i> 422 (2012): 402-412. PubMed: <a href="#">22153299</a>.</p>
<b>Citation:</b>	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p24 (AG3.0), ARP-4121, contributed by Dr. Marie-Claire Gauduin."
<b>Biosafety Level: 1</b>	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <i>Biosafety in Microbiological and Biomedical Laboratories</i> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see <a href="http://www.cdc.gov/biosafety/publications/bmbl5/index.htm">www.cdc.gov/biosafety/publications/bmbl5/index.htm</a> .
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