



## DATA SHEET

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

<b>Reagent:</b>	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p24 Gag Protein (#24-3)
<b>Catalog Number:</b>	ARP-6458
<b>Lot Number:</b>	130055
<b>Release Category:</b>	A
<b>Provided:</b>	Each vial of ARP-6458 contains approximately 500 µg of affinity-purified antibody at 1.9 mg/mL in phosphate-buffered saline (PBS; pH 7.4).
<b>Description:</b>	ARP-6458 is a protein G purified monoclonal antibody to HIV-1 p24 antigen.
<b>Host or Host Site:</b>	Balb/c mouse splenocyte × SP2/0 myeloma (non-EBV transformed) isolated by limiting dilution cloning.
<b>Special Characteristics:</b>	This antibody has been used successfully for Western blots (HXB-3 and YU-2 isolates) and immunofluorescence assays of paraformaldehyde-fixed samples. It does not work in immunofluorescence assays using methanol-fixed samples and is not useful for immunoprecipitation. Its epitope has not been mapped.
<b>Recommended Storage:</b>	Keep at 4°C only for short-term storage and -80°C for long-term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Dr. Michael H. Malim
<b>Isotype:</b>	IgG1k
<b>References:</b>	<p>Simon, J. H., et al. "The Vif and Gag Proteins of Human Immunodeficiency Virus Type 1 Colocalize in Infected Human T Cells." <i>J. Virol.</i> 71 (1997): 5259-5267. PubMed: <a href="#">9188594</a>.</p> <p>Fouchier, R. A., et al. "HIV-1 Infection of Non-Dividing Cells: Evidence that the Amino-Terminal Basic Region of the Viral Matrix Protein is Important for Gag Processing but Not for Post-Entry Nuclear Import." <i>EMBO J.</i> 16 (1997): 4531-4539. PubMed: <a href="#">9303297</a>.</p> <p>Simon, J. H., et al. "Vif and the p55(Gag) Polyprotein of Human Immunodeficiency Virus Type 1 Are Present in Colocalizing Membrane-Free Cytoplasmic Complexes." <i>J. Virol.</i> 73 (1999): 2667-2674. PubMed: <a href="#">10074112</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 Gag Protein (#24-3), ARP-6458, contributed by Dr. Michael H. Malim." Also include the references cited in any publications.
<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. <a href="#">Biosafety in Microbiological and Biomedical Laboratories (BMBL)</a> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020.
<b>Disclaimers:</b>	You are authorized to use this product for research use only. It is not intended for use in humans.



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