



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p24 Gag Protein (#24-3)
Catalog Number:	ARP-6458
Lot Number:	200330
Release Category:	A
Provided:	Each vial of ARP-6458 contains approximately 500 µg of affinity-purified antibody in phosphate buffered saline (PBS; pH 7.4) at a concentration of 1.053 mg per mL. Endotoxin content is 300-3000 EU per milligram. Purity is approximately 99% by SDS-PAGE. <u>Note:</u> The manufacturer indicates the monoclonal antibody is stable for two years past the manufacturing date (02JUL2020). Lot 200330 was retested in SEP2023 and found to be a single IgG1, kappa isotype.
Description:	ARP-6458 is a sterile, protein A purified monoclonal antibody to HIV-1 p24 antigen.
Host or Host Site:	Balb/c mouse splenocyte × SP2/0 myeloma (non-EBV transformed) isolated by limiting dilution cloning.
Special Characteristics:	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.
Recommended Storage:	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.
Contributor:	Dr. Michael H. Malim
Isotype:	IgG1, kappa
References:	<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: 9303297.</p> <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: 9188594.</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: 10074112.</p>
Citation:	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.
Biosafety Level: 1	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. Biosafety in Microbiological and Biomedical Laboratories (BMBL) . 6th ed. Washington, DC: U.S. Government Printing Office, 2020.



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