



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p24 Gag (#24-2, produced <i>in vitro</i>)
Catalog Number:	ARP-6457
Lot Number:	170397
Release Category:	A
Provided:	<p>Each vial of ARP-6457 contains approximately 500 micrograms of purified antibody in sterile phosphate-buffered saline (PBS), pH 7.4 at a concentration of 1 milligram per milliliter. No preservatives were added. Purity is 95% as measured by SDS-PAGE analysis.</p> <p><u>Note:</u> The endotoxin level for ARP-6457 lot 170397 was above 3 EU per milligram. Please consider whether this material is acceptable for your application.</p>
Description:	ARP-6457 is a monoclonal antibody to HIV-1 p24 Gag.
Host or Host Site:	BALB/c mouse splenocyte × SP2 myeloma
Special Characteristics:	<p>ARP-6457 was produced in cell culture and purified by protein A affinity chromatography. It originates from a hybridoma. The immunogen was an amino-terminal, hexa-histidine-tagged HIV-1 (HXB-3 isolate) p24 Gag protein, expressed in <i>Escherichia coli</i> and purified under denaturing conditions by chelate-affinity chromatography.</p> <p>Suggested applications are ELISA, SDS-PAGE and western blot analysis. The user should determine the optimal concentration for any application.</p>
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
References:	<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>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>
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 (#24-2, produced <i>in vitro</i>), ARP-6457, 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. <u>Biosafety in Microbiological and Biomedical Laboratories</u> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm .
Disclaimers:	You are authorized to use this product for research use only. It is not intended for use in humans.



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