



## DATA SHEET

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

<b>Reagent:</b>	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Nef Protein (EH1)
<b>Catalog Number:</b>	ARP-3689
<b>Lot Number:</b>	170398
<b>Release Category:</b>	D
<b>Provided:</b>	Each vial of ARP-3689 contains approximately 500 micrograms of purified antibody in phosphate-buffered saline (PBS, pH 7.4) at a concentration of 1 mg per mL. Purity is 99% as determined by SDS-PAGE. Endotoxin content is 300 to 3000 EU/mg.
<b>Description:</b>	ARP-3689 is a monoclonal antibody to the HIV-1 Nef protein, specifically to the C-terminus region (epitope: MARELHPEYYKDC).
<b>Host or Host Site:</b>	Mouse
<b>Special Characteristics:</b>	<p>ARP-3689 was produced in cell culture and purified by protein A affinity chromatography. The antibody originates from a hybridoma. The hybridoma was created by immunizing Balb/c mice with SF2 Nef protein and fusing the resulting splenocytes with SP2/0 myeloma cells.</p> <p>ARP-3689 recognizes Nef protein from both HIV-1 LA1 and SF2 strains, by radioimmunoprecipitation, western blot, and immunofluorescence assays. It recognizes HIV-1 Nef Recombinant Protein (ARP-11478) in ELISA at a dilution of 1:512,000. The user should determine the optimal concentration for any application.</p> <p>Please see the <a href="#">LANL HIV Molecular Database</a> for more information.</p>
<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. James Hoxie
<b>Isotype:</b>	IgG1, kappa
<b>Reference:</b>	Chang, A. H., et al. "Construction of single-chain antibodies that bind an overlapping epitope of HIV-1 Nef." <i>FEBS. Lett.</i> 441 (1998): 307-312. PubMed: <a href="#">9883905</a>
<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) Nef Protein (EH1), ARP-3689, contributed by Dr. James Hoxie." Also include the reference cited above 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</a> . 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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