



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Nef Protein (AE6)
Catalog Number:	ARP-709
Lot Number:	200278
Release Category:	D
Provided:	Each vial of ARP-709 contains approximately 250 micrograms of purified antibody in phosphate-buffered saline (PBS, pH 7.4) at a concentration of 1 mg per mL. It contains 0.05% sodium azide as preservative.
Description:	ARP-709 is a monoclonal antibody to the HIV-1 Nef protein, specifically to the C-terminus region (epitope: VARELHPEYFKNC).
Host or Host Site:	Mouse
Special Characteristics:	<p>ARP-709 was produced using the mouse ascites method and purified by protein G affinity chromatography. The antibody originates from a hybridoma. The hybridoma was created by immunizing mice with a HIV-1 IIIB Nef recombinant protein.</p> <p>The critical binding residue for ARP-709 is the "N" in the IIIB Nef C-terminal "YFKNC" sequence. The antibody does not react with HIV-1 SF2 Nef.</p> <p>Please see the LANL HIV Molecular Database for more information.</p> <p>Suggested applications are western blot, immunoprecipitation and immunofluorescent assays (IFA). 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. James Hoxie
Isotype:	IgG1, kappa
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) Nef Protein (AE6), ARP-709, contributed by Dr. James Hoxie."
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 , 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm .
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