



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-HIV-1 Nef Monoclonal (AE6)

Catalog Number: 709

Lot Number: 080174

Release Category: D

Provided: 200 µg of purified antibody at 2 mg/mL

Description: A monoclonal antibody to HIV-1 IIIB Nef, specifically the C-terminus region (epitope: VARELHPEYFKNC)

Host: Mouse

Titer: The user should determine the optimal concentration for any application.

Special Characteristics: This antibody was produced using the mouse ascites method and purified by Protein A/G chromatography. This antibody originates from a hybridoma. The hybridoma was created by immunizing mice with a HIV-1 IIIB nef recombinant protein.

Please see the [LANL HIV Molecular Database](#) for more information.

The critical binding residue for this antibody is the "N" in the IIIB C-terminal "YFKNC" sequence. This antibody does not react with HIV-1 SF2 nef.

Applications: Western Blot, Immunoprecipitation, IFA

Recommended Storage: Keep the reagent at 4°C for short term storage and at -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: Dr. James Hoxie

Isotype: IgG₁ κ

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References:

Chang, A. H., Hoxie, J. A., Cassol, S., O'Shaughnessy, M., & Jirik, F. (1998). Construction of single-chain antibodies that bind an overlapping epitope of HIV-1 Nef. FEBS Lett, 441(2), 307-312. [PUBMED](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 Nef Monoclonal (AE6) from Dr. James Hoxie (cat# 709)."

Last Updated

September 24, 2020

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