



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

<b>Reagent:</b>	Anti-HIV-1 Nef Monoclonal (EH1)
<b>Catalog Number:</b>	3689
<b>Lot Number:</b>	150252
<b>Release Category:</b>	D
<b>Provided:</b>	500 µg of purified antibody at 0.85 mg/ml in PBS, pH 7.4 (sterile filtered and does not contain preservatives)  Endotoxin = 4154-6231 EU/mg by TAL method  Purity= 99% by SDS-PAGE
<b>Description:</b>	A monoclonal antibody to HIV-1 SF2 Nef, specifically the C terminus region (epitope MARELHPEYYKDC)
<b>Host:</b>	Balb/c mice
<b>Titer:</b>	ELISA: >1:512,000 against cat# 11478, HIV-1 Nef Recombinant Protein.  The user should determine the optimal concentration for any application.
<b>Special Characteristics:</b>	This antibody was produced in cell culture and purified by Protein A chromatography. It originates from a hybridoma. The hybridoma was created by immunizing mice with SF2 Nef and fusing the resulting splenocytes with SP2/0 myeloma cells. Please see the <a href="#">LANL HIV Molecular Database</a> for more information.  EH1 recognizes SF2 and BRU Nef by RIP, Western blot, and IFA.
<b>Recommended Storage:</b>	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.
<b>Contributor:</b>	Dr. James Hoxie

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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.

**Isotype:** IgG<sub>1</sub> κ

**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 (EH1) from Dr. James Hoxie." Also include the references cited above in any publications.

**Last Updated** February 12, 2018

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