



## 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-SIVmac251 Nef Monoclonal (17.2)
<b>Catalog Number:</b>	2659
<b>Lot Number:</b>	04001(17.2)
<b>Release Category:</b>	A
<b>Provided:</b>	250 µl affinity purified antibody from ascites and dialyzed against PBS. Contains 0.1% azide. Contains 1.07 mg/ml protein.
<b>Host:</b>	Balb/c splenocyte x SP2 myeloma.
<b>Special Characteristics:</b>	<p>Mice were immunized with MS2 phage RNA polymerase conjugated to SIV<sub>mac251</sub> Nef. This antibody maps to amino acids 71-80 (NPAEEREKLA) of SIV<sub>mac251</sub> 32H Nef. ELISA titer against recombinant SIV Nef (20-30 ng/well in PBS) is 1:100,000. Also recognized Nef in RIPA and Western blots.</p> <p>Endotoxin: 17.383 EU/mL*</p> <p>*NOTE: Endotoxin has been shown to induce chemokines and other soluble HIV and SIV inhibitory factors in primary cultures of PBMC, monocytes and macrophages (Verani et al., J Exp Med 185:805-816, 1997; J Immunol 168:6388-6396, 2002; Montefiori in preparation). Thus, caution is advised when using this reagent for in vitro studies involving primary cells.</p>
<b>Recommended Storage:</b>	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Quattromed Ltd.
<b>Isotype:</b>	IgG <sub>1</sub> , κ chain.

---

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:**

Piguet V, Chen Y-L, Mangasarian A, Foti M, Carpentier J-L, Trono D. (1998) Mechanism of Nef-induced CD4 endocytosis: Nef connects CD4 with the  $\mu$  chain of adaptor complexes. EMBO, 17 (9): 2472-81.

Chan KS, Verardi PH, Legrand FA, Yilma TD. (2005) Nef from pathogenic simian immunodeficiency virus is a negative factor for vaccinia virus. PNAS 102(24): 8734-9.

**NOTE:**

Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-SIVmac251 Nef Monoclonal (17.2).

**Last Updated**

May 04, 2017

---

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.