



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-SIVmac251 Nef Monoclonal (17.2)

Catalog Number: 2659

Lot Number: 150215

Release Category: A

Provided: 250 µg affinity purified antibody at 1 mg/mL in PBS pH 7.4, with 0.1% sodium azide.

Description: This mAb targets SIVmac251 Nef. Mapped to amino acids 71-80 (-PAEEREKLAY-, SIV)

Host: Balb/c splenocyte x SP2 myeloma.

Titer: ELISA titer: 0.05 to 0.1 µg/ml , WB: 1 µg/ml.
End users should determine optimal concentrations to be used in assays.

Special Characteristics: Mice were immunized with MS2 phage RNA polymerase conjugated to SIV_{mac}251 Nef. Reacts in ELISA, WB, RIP, IHC with Nef of SIVmac251 strain. Reacts in IF with Nef of SIVmac239 strain and SIVmac1A11 strain.

Purified from E. coli using Protein G.

Alternate names: Clone 17

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

Contributor: Dr. Kai Krohn and Dr. Vladimir Ovod.

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:

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 μ 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

November 22, 2017

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