



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** HIV-1 Vif Monoclonal (#564)

**Catalog Number:** 6460

**Lot Number:** 3 011367

**Release Category:** A

**Provided:** 1 ml ascites. Concentration is 7.0 mg/ml.

**Description:**  
*Applications:* This antibody has been used successfully for immunoprecipitation assays. No cross-reactivity with non-HIV-1 Vif proteins has been observed. Its epitope has not been mapped.  
*Immunogen:* Hexahistidine, amino-terminal tagged HIV-1 (HXB-3 isolate) Vif protein, expressed in *E. coli*, purified under denaturing conditions by chelate-affinity chromatography and dialyzed into a phosphate/salt buffer (pH 10).

**Host Site:** Balb/c mouse splenocyte x SP2/0 myeloma (non-EBV transformed) isolated by limiting dilution cloning.

**Titer:** Works by immunoprecipitation at 1:200. Not useful for Western blot.

**Special Characteristics:**  
*Immunization:* 5 to 50 µg of immunogen was injected intraperitoneally per mouse as an emulsion with complete Freund's adjuvant. Subsequent booster immunizations (at least three) using incomplete Freund's adjuvant were also intraperitoneal and were administered every three weeks starting at week two. A final boost of immunogen in phosphate buffered saline was administered intravenously (tail vein) three days prior to removal of the spleen.

**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. Michael H. Malim.

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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>2a</sub>, κ.

**References:** Simon JH, Southerling TE, Peterson JC, Meyer BE, Malim MH. Complementation of vif-defective human immunodeficiency virus type 1 by primate, but not nonprimate, lentivirus vif genes. *J Virol* **69**:4166-4172, 1995.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Vif Monoclonal (#564)) from Dr. Michael H. Malim." Also include the reference cited above in any publications.

**Last Updated** September 16, 2015

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