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DATA SHEET

Reagent:	HIV-1 Vif Monoclonal Antibody (#319)
Catalog Number:	6459
Lot Number:	070538
Release Category:	A
Provided:	1 mL culture supernatant.
Description:	This antibody has been used successfully for Western blots, IFA and immunofluorescence assays. No cross-reactivity with non-HIV-1 Vif proteins has been observed. Its epitope has not been mapped.
Host Site:	Balb/c mouse splenocyte x SP2/0 myeloma (non-EBV transformed) isolated by limiting dilution cloning.
Titer:	IgG titer: 262 µg/mL. Detectable by ELISA at a dilution of 1:10000-1:100000.
Special Characteristics:	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). 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:	-70°C
Contributor:	Dr. Michael H. Malim.

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_1, 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. Fouchier RA, Simon JH, Jaffe AB, Malim MH. Human immunodeficiency virus type 1 Vif does not influence expression or virion incorporation of gag-, pol-, and env-encoded proteins. *J Virol* **70**:8263-8269, 1996.

Simon JH, Fouchier RA, Southerling TE, Guerra CB, Grant CK, Malim MH. The Vif and Gag proteins of human immunodeficiency virus type 1 colocalize in infected human T cells. *J Virol* **71**:5259-5267, 1997.

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 Antibody (#319)) from Dr. Michael H. Malim." Also include the references cited above in any publications.

Last Updated September 26, 2014

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