



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Vif Protein, Clone 564 (produced <i>in vitro</i>)
Catalog Number:	ARP-6460
Lot Number:	80238
Release Category:	A
Provided:	Each vial of ARP-6460 contains approximately 100 microliters of purified antibody in PBS at a concentration of 1 mg per mL.
Description:	ARP-6460 is a monoclonal antibody to HIV-1 Vif. The immunogen is a N-terminal, hexahistidine-tagged HIV-1 (HXB-3 isolate) Vif protein expressed in <i>Escherichia coli</i> , which was purified under denaturing conditions by chelate-affinity chromatography and dialyzed into a phosphate/salt buffer (pH 10). This antibody has been used successfully for ELISA and immunoprecipitation assays; it is not useful for western blot. No cross reactivity with non-HIV-1 Vif proteins has been observed. Its epitope has not been mapped.
Host or Host Site:	BALB/c mouse splenocyte × SP2/0 myeloma (non-EBV-transformed) isolated by limiting dilution cloning
Titer:	ELISA against purified recombinant HIV-1 IIIB Vif protein (ARP-11096) estimated a titer of 1:5000.
Special Characteristics:	Each mouse was injected intraperitoneally with 5 to 50 micrograms of immunogen as an emulsion with complete Freund's adjuvant. Subsequent booster immunizations (at least three) using incomplete Freund's adjuvant were given intraperitoneally 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 only for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Michael H. Malim
Isotype:	IgG2a, kappa
References:	Simon, J. H. M., et al. "Complementation of <i>vif</i> -Defective Human Immunodeficiency Virus Type 1 by Primate, but Not Nonprimate, Lentivirus <i>vif</i> Genes." <i>J. Virol.</i> 69 (1995): 4166-4172. PubMed: 7769676 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Vif Protein, Clone 564 (produced <i>in vitro</i>), ARP-6460, contributed by Dr. Michael H. Malim."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <u>Biosafety in Microbiological and Biomedical Laboratories</u> , 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm .
Disclaimers:	You are authorized to use this product for research use only. It is not intended for human use.



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