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DATA SHEET

Reagent:	Anti-HIV-1 p24 Gag Monoclonal (#24-3)
Catalog Number:	6458
Lot Number:	120243
Release Category:	A
Provided:	505.94 µg of lyophilized purified antibody. Add 410 µl of ddH_2O to reconstitute to 1x PBS with 0.02% Sodium Azide. Final concentration will be 1.234 mg/ml.
Host:	Balb/c mouse splenocyte x SP2/0 myeloma (non-EBV transformed) isolated by limiting dilution cloning.
Special Characteristics:	*Immunogen*: Hexahistidine, amino-terminal tagged HIV-1 (HXB-3 isolate) p24 Gag 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. *Applications*: This antibody has been used successfully for Western blots (HXB-3 and YU-2 isolates) and immunofluorescence assays of paraformaldehyde fixed samples. Does not work in immunofluorescence assay using methanol fixed samples. Not useful for immunoprecipitation. Its epitope has not been mapped.
Recommended Storage:	After reconstitution 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.
Isotype:	IgG_1, 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:

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.

Fouchier RA, Meyer BE, Simon JH, Fischer U, Malim MH. HIV-1 infection of non-dividing cells: evidence that the amino-terminal basic region of the viral matrix protein is important for Gag processing but not for post-entry nuclear import. *EMBO J* **16**:4531-4539, 1997.

Simon JH, Carpenter EA, Fouchier RA, Malim MH. Vif and the p55(Gag) polyprotein of human immunodeficiency virus type 1 are present in colocalizing membrane-free cytoplasmic complexes. *J Virol* **73**:2667-2674, 1999.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 p24 Gag Monoclonal (#24-3) from Dr. Michael H. Malim." Also include the references cited above in any publications.

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