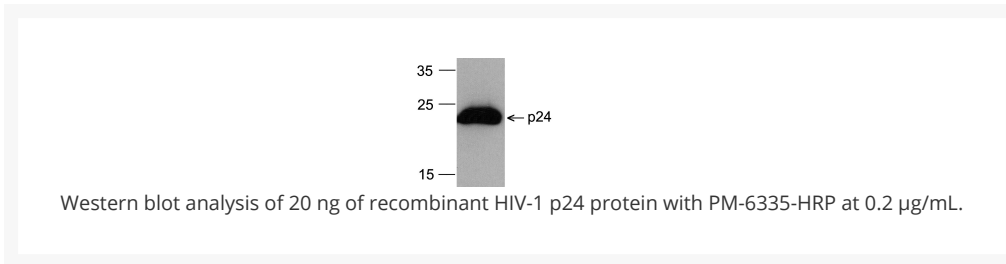




HIV-1 p24 Antibody [8G9] (HRP)

Cat. No.: PM-6335-HRP



Ψ Specifications

HOST SPECIES:	Mouse
SPECIES REACTIVITY:	Virus
IMMUNOGEN:	Mouse monoclonal HIV-1 p24 antibody was raised against a recombinant full-length HIV-1 p24 protein.
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	PM-6335-HRP can be used for detection of p24 by Western blot or ELISA at 0.2 – 0.5µg/mL.
SPECIFICITY:	By Western blot, anti-HIV-1 p24 antibody detects a ~24 kDa, a ~41 kDa, and a ~55 kDa protein, corresponding to HIV-1 p24 and to its precursors p41 and p55, respectively, in HIV-1 samples.
POSITIVE CONTROL:	1) Cat. No. 95-153 - Recombinant HIV-1 p24
PREDICTED MOLECULAR WEIGHT:	Predicted: 24, 41, 55 kDa

Ψ Properties

PURIFICATION:	HIV-1 p24 antibody is supplied as protein A purified IgG1.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1
CONJUGATE:	HRP

PHYSICAL STATE:	Liquid
BUFFER:	HIV-1 p24 antibody is supplied in PBS containing 1% BSA and 0.02% thimerosol.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	HIV-1 p24 Monoclonal Antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year.

Additional Info

OFFICIAL SYMBOL:	GAG
ALTERNATE NAMES:	HIV-1 p24 Antibody [8G9] :
ACCESSION NO.:	AAB50258
PROTEIN GI NO.:	327745
GENE ID:	155030
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	HIV-1 p24 Monoclonal Antibody: The human immunodeficiency virus type 1 (HIV-1) particle consists of an envelope, a core and the region between the two termed matrix (1). The HIV-1 Gag protein is a late structural protein that contains four proteins: matrix (p17), capsid (p24), nucleocapsid (p7) and the p6 protein (2). The p24 constitutes the major core component of the virus and shows high degree of sequence conservation among HIV isolates. The Gag p24 has been used as an integral part of multicomponent HIV-1 vaccines (3).
REFERENCES:	1) Goto T, Nakai M, and Ikuta K. The life-cycle of human immunodeficiency virus type 1. <i>Micron</i> 1998; 29:123-38.
	2) Freed EO. HIV-1 gag proteins: diverse functions in the virus life cycle. <i>Virology</i> 1998; 251:1-15.
	3) Flynn BJ, Kastenmuller K, Wille-Reece U, et al. Immunization with HIV Gag targeted to dendritic cells followed by recombinant New York vaccinia virus induces robust T-cell immunity in nonhuman primates. <i>Proc. Natl. Acad. Sci. USA</i> 2011; 108:7131-6.

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