

Mouse anti-Virus HIV-1 p24 Monoclonal Antibody | anti-HIV-1 antibody

HIV-1 p24 Antibody [10A2](HRP)

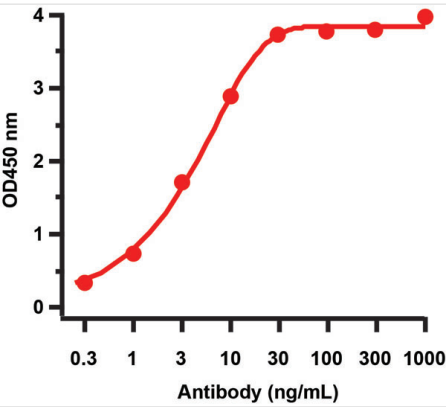
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA41009	Mouse	Virus	Western Blot, ELISA

PRODUCT SYNONYMS

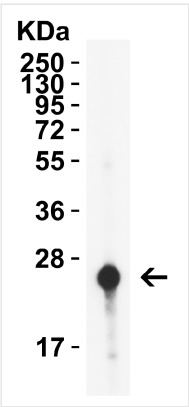
HIV-1 p24; Monoclonal Antibody; HIV-1 p24 Antibody [10A2](HRP); Anti-HIV-1 p24 antibody; Pr55Gag; Gag polyprotein; Capsid protein p24; gag Pr55(Gag); anti-HIV-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Virus
Clonality	Monoclonal
Isotype	IgG1
Clone Number	10A2
Purity/Purification	Anti-HIV-1 p24 antibody is immunoaffinity chromatography purified IgG.
Form/Format	Liquid; HIV-1 p24 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-HIV-1 antibody	WB (Western Blot), ELISA
Immunogen	Mouse monoclonal HIV-1 p24 antibody was raised against a recombinant full-length HIV-1 p24 protein.
Research Area	Infectious Disease
NCBI Organism	hiv-1
Conjugation	HRP
Preparation and Storage	HIV-1 p24 Monoclonal Antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



ELISA
Figure 2 ELISA Validation of HIV-1 p24 Antibody with HIV-1 p24 Protein Coating Antigen: HIV-1 p24 recombinant protein, 1ug/mL, incubated at 4 degree C overnight. Detection Antibodies: HIV-1 p24 antibody, PM-7371, dilution: 0.3-1000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubated at RT for 1 hr.



WB (Western Blot)
Figure 1 Western Blot Validation with HIV-1 p24 Protein Loading: 30 ng HIV-1 p24 recombinant protein. Antibodies: HIV-1 p24, PM-7371, 0.5ug/mL, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HIV-1 antibody	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 protein has been used as an integral part of multicomponent HIV-1 vaccines (3).
Product Categories/Family for anti-HIV-1 antibody	Primary Antibodies,Antibody Pairs
References	Goto et al. Micron 1998; 29:123-38. Freed EO. Virology 1998; 251:1-15. Freed EO. Virology 1998; 251:1-15.

NCBI AND UNIPROT INFORMATION

NCBI GI #	327745
NCBI GeneID	155030
UniProt Accession #	P04591; Q77YG1
Molecular Weight	Predicted: 24; 41; 55 kDa
NCBI Official Full Name	gag polyprotein
NCBI Official Symbol	gag
NCBI Protein Information	Pr55(Gag); matrix; capsid; nucleocapsid; p2; p6; p1
UniProt Protein Name	Gag polyprotein
UniProt Gene Name	gag
UniProt Synonym Gene Names	MA; CA; NC
UniProt Entry Name	GAG_HV1H2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.