

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

HIV-1 p24 Antibody [8G9]

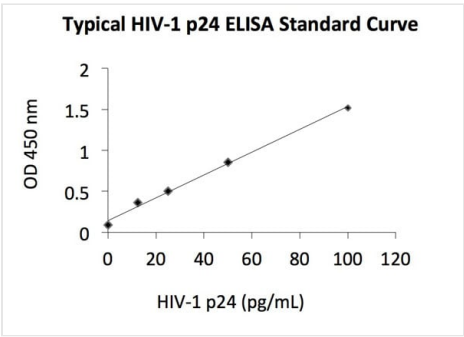
CATALOG # AAA40478	HOST Mouse	REACTIVITY Virus	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

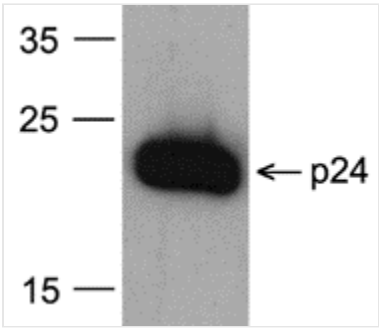
HIV-1 p24; Monoclonal Antibody; HIV-1 p24 Antibody [8G9]; gag Pr55(Gag); anti-GAG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Virus
Clonality	Monoclonal
Isotype	IgG1
Clone Number	8G9
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.
Purity/Purification	HIV-1 p24 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	500
Applicable Applications for anti-GAG antibody	WB (Western Blot), ELISA
Conjugate	Biotin
Immunogen	Mouse monoclonal HIV-1 p24 antibody was raised against a recombinant full-length HIV-1 p24 protein.
Buffer	HIV-1 p24 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
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.



ELISA
Sandwich ELISA analysis of recombinant p24 proteins using capture antibody [7F4] and biotin labeled detection antibody [8G9]. (Assay sensitivity = 2.5 pg of recombinant p24 protein).



WB (Western Blot)
Western blot analysis of 20 ng of recombinant HIV-1 p24 protein with PM-6335-biotin at 0.2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GAG 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 has been used as an integral part of multicomponent HIV-1 vaccines (3).
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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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hiv-1-p24-antibody-clone-8g9-western-blot-elisa/40478>