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Product datasheet for TA160222

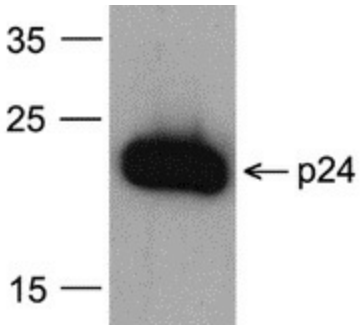
gag Mouse Monoclonal Antibody [Clone ID: 8G9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8G9
Applications:	ELISA, WB
Recommended Dilution:	WB or ELISA at 0.2 – 0.5µg/mL.
Reactivity:	Human Immunodeficiency Virus 1
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mouse monoclonal HIV-1 p24 antibody was raised against a recombinant full-length HIV-1 p24 protein.
Formulation:	HIV-1 p24 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 24, 41, 55 kDa
Database Link:	P04591
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).
Note:	PM-6335-biotin can be used for detection of p24 by Western blot or ELISA at 0.2 – 0.5µg/mL.

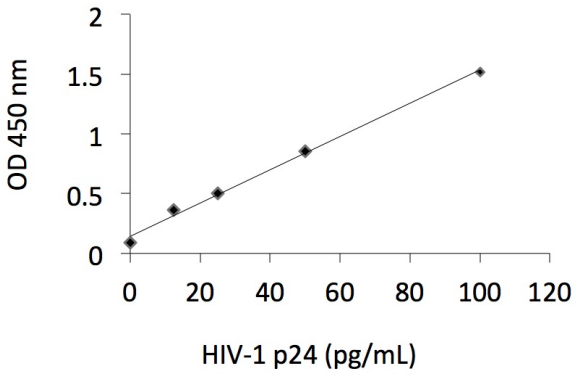
View online »

Product images:



Western blot analysis of 20 ng of recombinant HIV-1 p24 protein with PM-6335-biotin at 0.2 ug/mL.

Typical HIV-1 p24 ELISA Standard Curve



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).