

Product datasheet for **AM09213PU-N**

HIV-1 Gag Capsid protein p24 Mouse Monoclonal Antibody [Clone ID: 473]

Product data:

Product Type:	Primary Antibodies
Clone Name:	473
Applications:	ELISA, WB
Recommended Dilution:	ELISA: The antibody can be used as a detection antibody for detection of HIV- 1 p24 in sandwich ELISA in combination with anti-HIV-1 p24 capture antibody Clone 340 Cat.- No AM09215PU-N. Reactivity against HIV-1 > 10 ⁻⁵ . Western Blot: Use of HIV1 P24 antibody (clone 473) at a concentration of 0.1-1.0 µg/ml will allow visualization of 100 ng/lane of recombinant HIV-1 p24.
Reactivity:	Human Immunodeficiency Virus 1
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Recombinant HIV-1 P24 (Core Protein).
Specificity:	This antibody reacts with HIV1 P24 (core protein). No cross activity with HIV1 GP41 and HIV2 GP36.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Background:

HIV1 performs highly complex orchestrated tasks during the assembly, budding, maturation and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. Gag precursors also function during viral assembly to selectively bind and package two plus strands of genomic RNA.

Capsid protein p24 probably forms the conical core of the virus that encapsulates the genomic RNA-nucleocapsid complex. P24 is expressed immediately after HIV infection and is detectable before host HIV antibody can be detected. Hence, HIV p24 is currently the target for early diagnosis of HIV acute infection.

Synonyms:

HIV1, HIV-I, Human immunodeficiency virus type 1