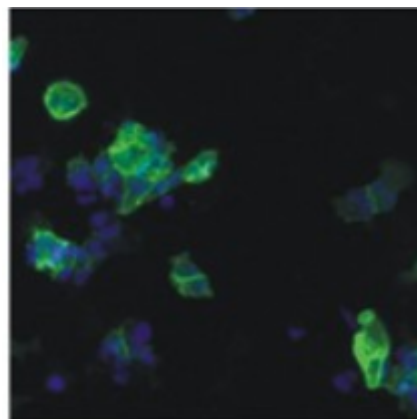


AM26089PU-N**Monoclonal Antibody to HIV-1 Gag Capsid protein p24 - Aff - Purified**

Alternate names:	HIV-I, HIV1, Human immunodeficiency virus type 1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	HIV is a highly variable virus which mutates very readily. This means there are many different strains of HIV, even within the body of a single infected person. The strains of HIV1 can be classified into three groups: the "major" group M, the "outlier" group O and the "new" group N. These three groups may represent three separate introductions of simian immunodeficiency virus into humans. Group O appears to be restricted to West-Central Africa and group N, discovered in 1998 in Cameroon, is extremely rare. More than 90% of HIV1 infections belong to HIV1 group M.
Host / Isotype:	Mouse / IgG2a
Clone:	5 (05-001)
Immunogen:	Recombinant p24 protein of HIV-1 HAN consensus (purified from E. coli)
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS pH 7.4 Preservatives: 0.09% Sodium Azide
Applications:	precipitation. ELISA: 1/64000. Western blot: 1/1000. Immunofluorescence: 1/1000. Use in U2OS, CHO and 293-based cell lines. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects HIV-1 p24 protein, mapped to amino acids 48-62 (TPQDLNTMLNTVGGH – HIV-1 HXB2). Reacts with HIV-1 native p24 as well rp24 expressed in bacteria and Cos-7 cells. This antibody reacts with rNef of HIV- 1 subtype B, C and A.
Storage:	Upon receipt, store (in aliquots) at -20 to -70°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.
General Readings:	1. Blazevic V, Männik A, Malm M, Sikut R, Valtavaara M, Toots U, et al. Induction of human immunodeficiency virus type-1-specific immunity with a novel gene transport unit (GTU)-MultiHIV DNA vaccine. AIDS Res Hum Retroviruses. 2006 Jul;22(7):667-77. PubMed PMID: 16831091.

Pictures:

IF analysis using HIV-1 p24 antibody (05-001) in detection of 05-001 epitope tagged ETAR (Endothelin A receptor) in HEK293-based cell line.



Western-Blot analysis of HIV-1 HAN subtype gag protein using HIV-1 p24 (05-001) antibody. Line 1. Recombinant HIV-1 HAN-2 subtype gag expressed in composition of virus like particles (VLPs) using 293-based cell line. Line 2. Protein size

