

**AM00896PU-N****Monoclonal Antibody to HIV-1 Gag Capsid protein p24 - Purified**

<b>Alternate names:</b>	HIV-I, HIV1, Human immunodeficiency virus type 1
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	4.5 mg/ml (OD280nm, E0.1% = 1.3)
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	AM03095PU-N
<b>Clone:</b>	BDI690
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction from Ascites (> 90% pure) <b>Purification:</b> Protein A Chromatography <b>Buffer System:</b> 0.01M PBS, pH 7.2 <b>Preservatives:</b> 0.09% Sodium Azide
<b>Applications:</b>	<b>CLIA.</b> <b>Lateral Flow assay.</b> <b>ELISA.</b> <b>Sandwich ELISA:</b> AM00896PU-N Can be used as Capture Antibody in combination with AM33277PU-N (Clone B1436M), with AM31518PU-N (Clone BDI499) or BM2344 (Clone 491) as Detection Antibodies. AM00896PU-N Can be used as Detection Antibody in combination with AM33277PU-N (Clone B1436M) or BM2344 (Clone 491) as Capture Antibodies. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is specific for HIV-1 p24.
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Tang S, Zhao J, Wang A, Viswanath R, Harma H, Little RF, et al. Characterization of immune responses to capsid protein p24 of human immunodeficiency virus type 1 and implications for detection. Clin Vaccine Immunol. 2010 Aug;17(8):1244-51. doi: 10.1128/CVI.00066-10. Epub 2010 Jun 9. PubMed PMID: 20534793. 2. Zhao W, Feng D, Sun S, Han T, Sui S. The anti-viral protein of trichosanthin penetrates into human immunodeficiency virus type 1. Acta Biochim Biophys Sin (Shanghai). 2010 Feb;42(2):91-7. PubMed PMID: 20119629.