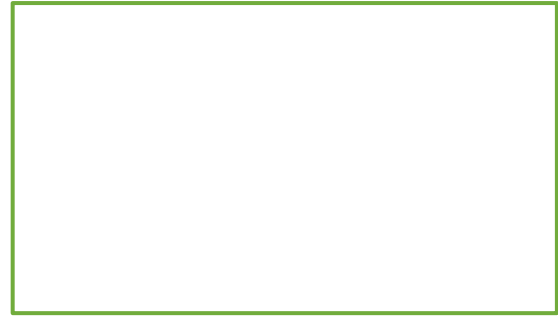




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Mouse Anti HIV-I p24 (clone 24-2)

ANT0068

50 µg

Description	HIV-1 Gag p24 antigen is a capsid protein that constitutes the core of HIV-1. p24 protein is detectable starting from the early stage of AIDS virus infection, for this reason it is an interesting marker for disease progression in infected patients. Monoclonal anti p24 antibody is designed for the detection of p24 core antigen in human serum or plasma from infected individuals as well as in cell culture supernatant.
Product type	Monoclonal antibody. (Hybridoma provided from King's College London Business Ltd. Dr Michael Jorgensen)
Immunogen	Bacterially expressed, Hexahistidine amino-terminal tagged HIV-1 p24 Gag recombinant protein (clade B, HXB-3 isolate).
Source	Mouse monoclonal IgG _{1,k}
Reacts with	Mouse monoclonal Anti-p24 Gag antibody clone 24-2, Isotype subclass IgG ₁ , detects the p24 protein of HIV-1. Not tested for Cross reactivity.
Specificity	Epitope mapping NO AVAILABLE
Tested Applications	ELISA, Western Blotting, Immunofluorescence, Immunoprecipitation assay
Recommended dilutions	ELISA starting dilution 0.6 µg/ml – 1.2 µg/ml Western blot starting dilution 0.3 µg/ml- 0.6 µg/ml Immunofluorescence assay starting dilution 1.2 µg/ml- 2.5 µg/ml Immunoprecipitation assay starting dilution 5 µg/ml- 10 µg/ml
Purity	Monoclonal immunoglobulins affinity purified
Form	Ready to use; prediluted in Na ⁺ Citrate 0.1 M, 0.05 mM Tris and 0.05% v/v of glycerol. The antibody solution is at neutral pH.
Storage instructions	Shipped at + 4 °C. When stored at + 4 °C, the antibody is stable for 12 month. For extended storage, the solution may be frozen in working aliquots. Note: Avoid repeated freezing and thawing cycles.
References	Fouchier RA, Meyer BE, Simon JH, Fisher U, Malim MH. 1997. HIV-1 infection of non-dividing cells: evidence that the amino-terminal basic region of the viral matrix protein is important for Gag processing but not for post-entry nuclear import. <i>EMBO J.</i> 16 : 4531-4539. Gaddis NC, Chertova E, Sheehy AM, Henderson LE, Malim MH. 2003. Comprehensive investigation of the molecular defect in <i>Vif</i> -deficient human immunodeficiency virus type 1 virions. <i>Journal of virology</i> 77 : 5810-5820 Swanson CM, Puffer BA, Ahmad KM, Doms RW, Malim MH. 2004. Retroviral mRNA nuclear export elements regulate protein function and virion assembly. <i>EMBO J.</i> 23 : 2632-2640.