

## Monoclonal Antibody to HIV-1 Gag Capsid protein p24 - Aff - Purified

<b>Alternate names:</b>	Capsid protein p24, HIV-1 P24, Human immunodeficiency virus type 1
<b>Catalog No.:</b>	AM09313PU-N
<b>Quantity:</b>	0.5 mg
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	504
<b>Immunogen:</b>	Purified recombinant HIV-1 P24 (core protein)
<b>Format:</b>	<b>State:</b> Lyophilised purified Ig <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> 0.01M PBS, pH 7.2 <b>Reconstitution:</b> Restore with double distilled water to adjust the final concentration to 1,0 mg/ml
<b>Applications:</b>	ELISA. Western Blot: 0.1 - 0.5 µg/mL of antibody used with 0.1 µg/lane of antigen in reduced SDS-PAGE gel then blotted on PVDF membrane. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This MAb reacts with HIV-1 P24 (core protein). No cross activity with HIV-1 GP41 and HIV-2 GP 36.
<b>Storage:</b>	Prior to and following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.