



# HIV type 1 Gap P24 Antigen (aa 77 - 436)(Gap P24 Antigen Strain IIIB a.a. 77-436) (DAG567)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Human Immunodeficiency Virus Type 1 gag p24 Antigen strain IIIB (a.a. 77-436). a.a 77 to a.a 436 of the HIV-1 gag p24 region. 39kDa with Beta-galactosidase (114kDa) fused at the N-terminus. Reacts strongly with HIV positive serum. It was expressed in Escherichia coli.
<b>Antigen Description</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>Species</b>	HIV
<b>Purity</b>	> 95% pure (SDS-PAGE)
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable in ELISA, Western Blot, Colloidal Gold and Latex Beads. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	1 mg/ml (OD280nm)
<b>Buffer</b>	8M Urea, 20mM Tris-HCl, pH 8.0; 10mM Beta-mercaptoethanol
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term