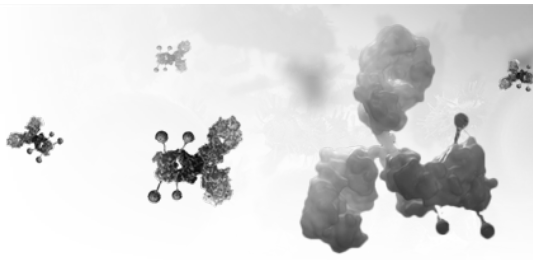

HIV P24 (DAG-CL003)

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

PRODUCT INFORMATION

Product Overview	Recombinant HIV-I p24 protein. HIV-1 Gag protein is a polyprotein which, during viral maturation, is cleaved to release matrix p17, core p24 and nucleopcapsid proteins. Capsid protein p24 forms the conical core that encapsulates the genomic RNA-nucleocapsid complex in the virion. The core is constituted by capsid protein hexamer subunits and is disassembled soon after virion entry. The p24 antigen contains epitopes that prime helper CD4 T-cells, which have been demonstrated to be protective and it can elicit lymphocyte proliferation.
Antigen Description	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.
Species	HIV
Purity	>95% estimated by SDS-PAGE (EU Ph. 5.0 § 2.5.31)
Conjugate	Unconjugated
Applications	SDS Page, Western Blotting
Format	Lyophilized. The protein should be reconstituted in apirogenic sterile water or 1X PBS.
Preservative	None

BACKGROUND

Introduction	HIV1 performs highly complex orchestrated tasks during the assembly, budding, maturation and infection stages of the viral replication cycle.

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Keywords	HIV-1 capsid protein p24; hiv; capsid; p24; HIV-1 p24; Retroviridae; Lentivirus; HIV-I p24 protein; Recombinant Human immunodeficiency virus 1 p24 protein

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