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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	OPPA00968
Product Page	www.avivasysbio.com/hiv-1-p24-protein-oppa00968.html
Name	HIV-1 p24 Protein (OPPA00968)
Molecular Weight	39 kDa
Host	E. Coli
Purity	Greater than 95.0% as determined by SDS-PAGE.
Concentration	1 mg/ml
Alias Symbols	HIV-1 p24, Biotin, HIV-1 p24 Recombinant, Biotin Labeled
Product Format	Liquid 8M Urea, 20mM Tris-HCl (pH 8.0), 10mM beta-mercaptoethanol
Description of Target	<p>Human immunodeficiency virus (HIV) is a retrovirus that can lead to a condition in which the immune system begins to fail, leading to opportunistic infections. HIV primarily infects vital cells in the human immune system such as helper T cells (specifically CD4⁺ T cells), macrophages and dendritic cells. HIV infection leads to low levels of CD4⁺ T cells through three main mechanisms: firstly, direct viral killing of infected cells; secondly, increased rates of apoptosis in infected cells; and thirdly, killing of infected CD4⁺ T cells by CD8 cytotoxic lymphocytes that recognize infected cells. When CD4⁺ T cell numbers decline below a critical level, cell-mediated immunity is lost, and the body becomes progressively more susceptible to opportunistic infections. HIV was classified as a member of the genus Lentivirus, part of the family of Retroviridae. Lentiviruses have many common morphologies and biological properties. Many species are infected by lentiviruses, which are characteristically responsible for long-duration illnesses with a long incubation period. Lentiviruses are transmitted as single-stranded, positive-sense, enveloped RNA viruses. Upon entry of the target cell, the viral RNA genome is converted to double-stranded DNA by a virally encoded reverse transcriptase that is present in the virus particle. This viral DNA is then integrated into the cellular DNA by a virally encoded integrase so that the genome can be transcribed. Once the virus has infected the cell, two pathways are possible: either the virus becomes latent and the infected cell continues to function, or the virus becomes active and replicates, and a large number of virus particles are liberated that can then infect other cells. The E.coli derived 39 kDa biotin labeled recombinant protein is a non-glycosylated polypeptide chain, containing the HIV-1 p24 immunodominant regions, amino acids 77-436. The HIV-1 p24 Biotinylated is fused to beta-galactosidase (114 kDa) at the N-terminus.</p>
Reconstitution and Storage	HIV-1 p24, although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze/thaw cycles.
Datasheets/Manuals	Printable datasheet for OPPA00968
Specificity	Immunoreactive with all sera of HIV-1 infected individuals.
Application Info	HIV-1 p24 antigen is suitable for ELISA and Western blots, excellent antigen for early detection of HIV seroconvertors with minimal specificity problems.
Gene Symbol	rHIV-1 p24 Biotin
Application	ELISA, WB
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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