

Datasheet for ABIN935439
HIV-1 p24 Protein (His tag)



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1 Publication

Overview

Quantity:	100 µg
Target:	HIV-1 p24
Origin:	Human Immunodeficiency Virus (HIV)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIV-1 p24 protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA

Product Details

Characteristics:	Purified recombinant HIV1 p24 protein (His tag) Expression System: Yeast
Purity:	> 95 % pure

Target Details

Target:	HIV-1 p24
Alternative Name:	HIV1 p24 (HIV-1 p24 Products)
Target Type:	Viral Protein
Background:	HIV-1 is composed of two copies of single-stranded RNA enclosed by a conical capsid comprising the viral protein p24, typical of lentiviruses. As a component of the HIV-virus particle there are approximately 2000 molecules per virus particle, or at a molecule weight of 24 kDa, about 10 ⁴ virus particles per picogram of p24. HIV gag (group-specific antigen): codes for the

Target Details

Gag polyprotein, which is processed during maturation to MA (matrix protein, p17), CA (capsid protein, p24), SP1 (spacer peptide 1, p2), NC (nucleocapsid protein, p7), SP2 (spacer peptide 2, p1) and p6. .

Alternative Names: p24 protein, HIV 1 p24 protein, Human immunodeficiency virus type 1 p24 protein, HIV-1 p24 protein, HIV 1 p24 protein, HIV 1 p24, HIV-1 p24, CA protein, HIV1 p24, Human Immunodeficiency Virus 1 protein, HIV-1 p24 protein, Capsid protein p24 protein

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Frozen

Concentration: 1-3 mg/mL

Buffer: Supplied frozen in 20 mM Na₃PO₄, pH 7.0.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -80 °C

Publications

Product cited in: Workman, Wells, Pau, Owen, Dong, LaBorde, Granada: "Rapid detection of HIV-1 p24 antigen using magnetic immuno-chromatography (MICT)." in: **Journal of virological methods**, Vol. 160, Issue 1-2, pp. 14-21, (2009) ([PubMed](#)).