

HIV1 gp120 Antibody FITC Conjugated

Catalog No: #C00174F

Package Size: #C00174F 100ul

Description

Product Name	HIV1 gp120 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	HIV-1 M:B_MN
Crossing Reactivity	HIV-1 M:B_MN
Immunogen Description	KLH conjugated synthetic peptide aa 290-340 857 derived from HIV1 Surface protein gp120
Conjugates	FITC
Target Name	HIV1 gp120
Other Names	HIV-1 ENV gp120; HIV1 gp120; HIV1gp120; HIV-1 gp120; Envelope surface glycoprotein gp120; Glycoprotein 120; gp120; gp120 glycoprotein; Human Immunodeficiency Virus 1; SU; Surface protein; ENV_HV1MN; Envelope glycoprotein gp160; Env polyprotein; Surface protein gp120; SU.
Accession No.	Swiss-Prot#P05877
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

The attachment of enveloped viruses to cells and the fusion of viral and cellular membranes are critical early events in the HIV viral infection. This process is mediated by envelope glycoproteins (gp) on the surface of the virus. The human immunodeficiency virus type 1 (HIV-1) envelope glycoprotein, gp160, is proteolytically cleaved into gp120 and gp41, which remain noncovalently associated with one another. gp120 is one of the proteins that forms the envelope of HIV. gp120 projects from the surface of HIV and binds to the CD4 molecule on helper T cells. gp120 has been a logical experimental HIV vaccine because the outer envelope is the first part of the virus that encounters antibody. gp41 is embedded in the outer envelope of HIV that anchors gp120. gp41 also plays a key role in HIV's infection of CD4+ T cells by facilitating the fusion of the viral and cell membranes. The nomenclature of the gp proteins describes their respective molecular masses (e.g., gp160, gp120, gp41).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.