

Rabbit HIV1 gp120 Polyclonal Antibody | anti-HIV1 antibody

HIV1 gp120 Antibody FITC Conjugated

CATALOG # AAA312990	HOST Rabbit	APPLICATIONS Immunofluorescence
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PRODUCT SYNONYMS

HIV1 gp120; Polyclonal Antibody; HIV1 gp120 Antibody FITC Conjugated; HIV-1 ENV 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 HIV1 gp120; anti-HIV1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Purified by Protein A
Form/Format	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-HIV1 antibody	IF (Immunofluorescence)
Conjugation	FITC
Excitation Emission	494nm 518nm
Cross Reactivity	HIV-1 M:B_MN
Cell localization	Extracellular
Immunogen	KLH conjugated synthetic peptide aa 290-340 857 derived from HIV1 Surface protein gp120
Preparation and Storage	Store at -20 degree C for one year. Avoid freeze/thaw cycles

ADDITIONAL INFORMATION

Related Product Information for anti-HIV1 antibody	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).
Product Categories/Family for anti-HIV1 antibody	Conjugated Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119443
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UniProt Accession #	P05877
NCBI Official Full Name	Envelope glycoprotein gp160
UniProt Protein Name	Envelope glycoprotein gp160
UniProt Gene Name	env
UniProt Synonym Gene Names	SU; gp120; TM; gp41

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hiv1-gp120-antibody-immunofluorescence-elisa/312990>