
HIV-1 gp120 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250694

Unit: 0.1 mg

Description:

The mature envelope protein (Env) consists of a homotrimer of noncovalently associated gp120-gp41 heterodimers. The surface protein gp120 (SU) from the human immunodeficiency virus (HIV) attaches the virus to the host lymphoid cell by binding to the primary receptor CD4. The interaction induces a structural rearrangement creating a high affinity binding site for a chemokine coreceptor like CXCR4 and/or CCR5. The gp120 protein is also a ligand for CD209/DC-SIGN and CLEC4M/DC-SIGNR, which are respectively found on dendritic cells, and on endothelial cells of liver sinusoids and lymph node sinuses. These interactions allow capture of viral particles at mucosal surfaces by these cells and subsequent transmission to permissive cells.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: Vs

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Envelope glycoprotein gp160; Env polyprotein; Surface protein; SU; Glycoprotein 120; gp120; Human immunodeficiency virus type 1; HIV-1

Accession No.: P04578

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of HIV gp120.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Spiegel D et al. 2012. Yale University. 20120269766

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