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Datasheet for ABIN934616 **GP120 Protein**

Overview

Quantity:	100 µg
Target:	GP120 (HIV-1 gp120)
Origin:	Human Immunodeficiency Virus (HIV)
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Application:	ELISA

Product Details

Characteristics:	<p>Purified full length recombinant HIV1 gp120 protein-IIIIB strain</p> <p>Expression System: CHO cells</p> <p>Bioactivity: This protein binds to human T-cell receptor CD4 in ELISA and Western ELISA as determined by CD4/gp120/Anti-gp120 mAb-peroxidase capture ELISA. This protein activates human T-Lymphocytes (CD4+, CD4-), in vitro, as measured by RNA synthesis during G0 to G1 transition phase of antigen-binding competent cells</p>
Purity:	> 95 % pure

Target Details

Target:	GP120 (HIV-1 gp120)
Alternative Name:	HIV1 gp120 (HIV-1 gp120 Products)
Target Type:	Viral Protein

Target Details

Background: Human immunodeficiency virus (HIV) is a lentivirus that causes acquired immunodeficiency syndrome (AIDS), a condition in humans in which the immune system begins to fail, leading to life-threatening opportunistic infections. Envelope glycoprotein GP120 (or gp120) is a glycoprotein exposed on the surface of the HIV envelope. The 120 in its name comes from its molecular weight of 120 kilodaltons. gp120 is essential for virus entry into cells as it plays a vital role in seeking out specific cell surface receptors for entry.

Alternative Names: HIV-1 gp120 protein, HIV 1 gp120, Glycoprotein 120 protein, SU protein, HIV-1 gp120 protein, gp120 protein, gp120 protein, HIV1 gp120, gp120 glycoprotein protein, HIV 1 gp120 protein, Envelope surface glycoprotein gp120 protein, Surface protein protein, Human Immunodeficiency Virus 1 protein, HIV 1 gp120 protein, HIV-1 gp120

Application Details

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

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Supplied in PBS, with no preservatives.

Preservative: Without preservative

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -80 °C

Storage Comment: Aliquot and store at -70 °C or lower.