

Product datasheet for **BP1035B**

HIV-1 gp120 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Avidin and streptavidin amplifications systems for Western blot and ELISA . May be used in place of whole antiserum in almost any appropriate antibody based technique.
Reactivity:	Human Immunodeficiency Virus 1
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Purified native gp120 from strain III _B .
Specificity:	Recognizes gp120 (predominate gp120 band in Western blot). Antiserum does not cross-react with Human T or B cells. Antiserum is not reactive with Human or Bovine sera.
Formulation:	0.01M PBS, pH 7.2 Label: Biotin State: Liquid purified IgG fraction Stabilizer: None Preservative: 0.09% Sodium Azide Label: Covalently coupled with the N-Hydroxysuccinimide ester of under mild conditions to give a high degree of substitution
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C for up to six months or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background: HIV1 is equipped with the envelope gp160 glycoprotein for interaction with Langerhans cells (LCs) and dendritic cells (DCs), the members of the innate immune system, which confront the virus at the portal of virus entry in the human body. These cells are equipped with receptors by which they bind and endocytose the virus. The gp120 glycoprotein is used for binding to CD4 receptor and CCR5 co-receptor of T helper 2 (Th2) cells, and is able to induce FcepsilonRI(+) hematopoietic cells to produce IL4, which inactivates the host adaptive immune response.

Synonyms: HIV1, HIV-I, Human immunodeficiency virus type 1

Note: **Predicted Molecular Weight:** 120 kDa.