

Product datasheet for **BP2030**

HIV-1 gp41 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Western blot: 1/1000. Immunofluorescence Microscopy. Immunohistochemistry on Frozen Tissues.
Reactivity:	Human Immunodeficiency Virus 1
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Recombinant (P. Pastoris) ectodomain of gp41 (glycosylated)
Specificity:	a.a. 546-a.a.682 sequence from strain HxB2. Reactive with gp41 in Western blot immunoassay. Antiserum does not cross-react with Human T or B cells. Antiserum has not been adsorbed to remove anti-beta-galactosidase activity.
Formulation:	0.01M PBS, pH 7.2 with 0.09% Sodium Azide as preservative without stabilizing proteins. State: Purified State: Liquid purified Ig fraction (>95% pure)
Concentration:	lot specific
Purification:	Sodium Sulfate Precipitation and Ion Exchange Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month 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:

HIV is a highly variable virus which mutates very readily. This means there are many different strains of HIV, even within the body of a single infected person. The strains of HIV1 can be classified into three groups : the "major" group M, the "outlier" group O and the "new" group N. These three groups may represent three separate introductions of simian immunodeficiency virus into humans. Group O appears to be restricted to West-Central Africa and group N, discovered in 1998 in Cameroon, is extremely rare. More than 90% of HIV1 infections belong to HIV1 group M.

Synonyms:

HIV1, HIV-I, Human immunodeficiency virus type 1