

Datasheet: AHP2204

BATCH NUMBER 150737

Description:	GOAT ANTI HUMAN IMMUNODEFICIENCY VIRUS 1 gp120
Specificity:	HUMAN IMMUNODEFICIENCY VIRUS 1 gp120
Other names:	HIV-1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1/500 - 1/10,000
Western Blotting	▪			1/500 - 1/10,000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant gp160 comprising the C terminus of gp120 and most of gp41.

External Database Links

UniProt:

[Q70626](https://www.uniprot.org/entry/Q70626)

[Related reagents](#)

RRID	AB_10851206
Specificity	<p>Goat anti Human Immunodeficiency Virus 1 gp120 antibody recognizes the human immunodeficiency virus envelope protein. The viral envelope protein gp160 is cleaved into fragments gp120 and gp41. gp120 is an exterior envelope glycoprotein on the surface of the virus particle that binds to CD4 and chemokine receptors on macrophages and T-lymphocytes. gp41 is non-covalently bound to gp120 and aids the virus in entering the cell.</p> <p>Goat anti Human Immunodeficiency Virus 1 gp120 antibody reacts with gp120, gp160 and gp41 in western blot assays.</p>
Purity	>98%
References	<ol style="list-style-type: none"> 1. Qi, M. <i>et al.</i> (2013) Rab11-FIP1C and Rab14 direct plasma membrane sorting and particle incorporation of the HIV-1 envelope glycoprotein complex. PLoS Pathog. 9 (4): e1003278. 2. Qi, M. <i>et al.</i> (2015) A tyrosine-based motif in the HIV-1 envelope glycoprotein tail mediates cell-type- and Rab11-FIP1C-dependent incorporation into virions. Proc Natl Acad Sci U S A. 112 (24): 7575-80.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP2204</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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