

Datasheet: AHP2209

Description:	GOAT ANTI HUMAN IMMUNODEFICIENCY VIRUS 1 gp41
Specificity:	HUMAN IMMUNODEFICIENCY VIRUS 1 gp41
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	▪			
Western Blotting	▪			1/2,000

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	Isotonic saline solution, pH 6.0-7.0
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant HIV1 gp41 antigen.
External Database Links	UniProt: Q70626 Related reagents

Specificity	Goat anti Human Immunodeficiency Virus 1 gp41 antibody reacts strongly with Immunodeficiency Virus 1 gp41, gp120 and gp160 in western blot assays. ELISA based peptide mapping has confirmed high titer reactivity to HIV MN <i>env</i> peptide in the following regions: (6332)IEPLGVAPTKAKRRV, (6360)CTTTVPWNASWSNKS and moderate activity to multiple other regions on the <i>env</i> polypeptide. 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.
Purity	>98%
References	1. Stefansson S <i>et al.</i> (2013) High-throughput Peptide epitope mapping using carbon nanotube field-effect transistors. Int J Pept. 2013: 849303.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10092 available at: https://www.bio-rad-antibodies.com/SDS/AHP2209 10092
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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