

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	150mM Sodium chloride
Preservative Stabilisers	0.09% 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

RRID AB_10851213

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 studies have confirmed high titer reactivity to HIV MN *env* peptide in the following regions: (6332)IEPLGVAPTKAKRRV, (6360)CTTTVPWNASWSNKS and moderate activity to multiple other regions on the *env* 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 *et al.* (2013) High-throughput Peptide epitope mapping using carbon nanotube field-effect transistors. [Int J Pept. 2013: 849303.](#)

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10092 available at: 10092: <https://www.bio-rad-antibodies.com/uploads/MSDS/10092.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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'M364147:200529'

Printed on 01 Mar 2021