

Datasheet: AHP1808

Description:	GOAT ANTI HUMAN CD184 / CXCR4
Specificity:	CD184 / CXCR4 (N-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/150
ELISA	▪			1/25000
Immunoprecipitation			▪	
Western Blotting	▪			1/250

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 appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to human CD184 / CXCR4 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative	0.1% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide TEEMGSGDYDSMKEPCFREENANFNKC corresponding to amino acids 17-43 within the N-terminal region of human CD184 / CXCR4.
External Database Links	<p>UniProt:</p> <p>P61073 Related reagents</p> <p>O08565 Related reagents</p> <p>Entrez Gene:</p> <p>7852 CXCR4 Related reagents</p> <p>60628 Cxcr4 Related reagents</p>
Synonyms	Cmkar4
RRID	AB_2089655
Specificity	<p>Goat anti Human CD184 / CXCR4 antibody recognises an epitope within the N-terminal (NT) region of human CD184, otherwise known as CXCR4 (C-X-C chemokine receptor type 4), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, ubiquitously expressed in blood and tissue cells, which acts as a specific receptor for the chemokine SDF-1 (Stromal cell-derived factor 1).</p> <p>Interaction of CD184 with SDF-1 mediates the chemotaxis of progenitor and mature blood cells, and is critical for B- lymphopoiesis and myelopoiesis. CD184 is a major co-receptor for infection by T-cell tropic strains of HIV1, and also a primary receptor for some HIV2 isolates.</p> <p>This Goat anti Human CD184 / CXCR4 antibody is reported as being suitable for use in immunofluorescence studies.</p>
Histology Positive Control Tissue	Spleen
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	Material Safety Datasheet documentation #10041 available at:

Information 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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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