

Datasheet: AHP1808

BATCH NUMBER 151104

| | |
|----------------------|-------------------------------|
| 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>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 | Material Safety Datasheet documentation #10041 available at: |

Information <https://www.bio-rad-antibodies.com/SDS/AHP180810041>

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 \(BUF025A\)](#)

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

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)

'M364049:200529'

Printed on 25 Mar 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)