

Datasheet: AHP2451

BATCH NUMBER 172234

Description:	RABBIT ANTI CD184 / CXCR4
Specificity:	CD184 / CXCR4
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

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
Immunohistology - Paraffin	▪			1/50 - 1/100
Western Blotting	▪			1/500 - 1/1000

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: Mouse, 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 CD184/CXCR4 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen Synthetic human CD184/CXCR4 peptide

External Database Links

UniProt:

[P61073](#) [Related reagents](#)

Entrez Gene:

[7852](#) CXCR4 [Related reagents](#)

Specificity

Rabbit anti CD184/CXCR4 antibody recognizes CD184, also known as C-X-C chemokine receptor type 4 (CXCR4), LESTR or SDF-1 receptor.

CD184 is a member of the G-protein coupled receptor 1 family and a receptor for the chemokine SDF-1 (stromal cell-derived factor 1). CD184 also acts as a receptor for extracellular ubiquitin and as a coreceptor for HIV-1. CD184/CXCR4 is involved in multiple processes including chemotaxis, cell proliferation, survival and adhesion.

Western Blotting

Rabbit anti CD184/CXCR4 antibody detects a band of approximately 70 kDa in cell lysates and tissue lysates under reducing conditions

References

1. Wu, W. *et al.* (2012) The bone marrow-expressed antimicrobial cationic peptide LL-37 enhances the responsiveness of hematopoietic stem progenitor cells to an SDF-1 gradient and accelerates their engraftment after transplantation. [Leukemia. 26 \(4\): 736-45.](#)

Storage

This product is shipped at ambient temperature.
Store at -20°C
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 #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2451>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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

'M439084:250523'

Printed on 17 Dec 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)