

CD183 (CXCR3) Monoclonal Antibody (CXCR3-173), Functional Grade, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CXCR3-173
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_1311154

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	19 Publications
Neutralization (Neu)	-	1 Publication
Functional Assay (FN)	Assay-Dependent	2 Publications

Product Specific Information

Description: The monoclonal antibody CXCR3-173 recognizes mouse CD183 also known as CXCR3. CD183 is a seven transmembrane G-protein linked chemokine receptor which binds three ligands; CXCL9 (mig), CXCL10 (IP-10)and CXCL11 (ITAC). CD183 as been shown to play a role in CD4 T cell responses to grafts. CXCR3 knockout mice have compromised allograft rejection responses. Expression is found on NK cells, a subset of T lymphocytes and a subset of Tregs as well as preferential expression on Th1-polarized cells.

The antibody CXCR3-173 has been shown to affect chemotaxis in response to ligand. The presence of ligand eliminates staining with the antibody. In vivo addition of the antibody delays cardiac and pancreatic islet allograft rejection.

Applications Reported: This CXCR3-173 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This CXCR3-173 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

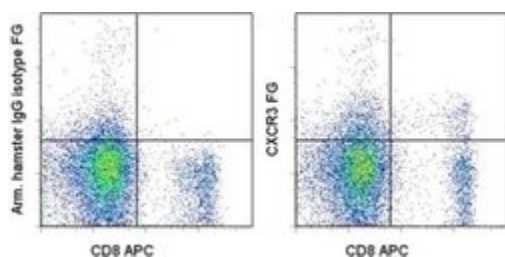
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

Product Images For CD183 (CXCR3) Monoclonal Antibody (CXCR3-173), Functional Grade, eBioscience™



CD183 (CXCR3) Antibody (16-1831-81) in Flow

Staining of C57Bl/6 splenocytes with Anti-Mouse CD8a APC (Product # 17-0081-82) and 0.25 µg of Armenian Hamster IgG Isotype Control Functional Grade Purified (Product # 16-4888-81) (left) or 0.25 µg of Anti-Mouse CD183 (CXCR3) Functional Grade Purified (right) followed by Anti-Armenian Hamster IgG PE (Product # 12-4112-83). Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunohistochemistry (2)

The Journal of clinical investigation

Accumulation of follicular CD8+ T cells in pathogenic SIV infection.

"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 16-1831-81) in Immunohistochemistry"

Authors: Ferrando-Martinez S, Moysi E, Pegu A, Andrews S, Nganou Makamdop K, Ambrozak D, McDermott AB, Palesch D, Paiardini M, Pavlakis GN, Brenchley JM, Douek D, Mascola JR, Petrovas C, Koup RA

Species
Not Applicable

Dilution
Not Cited

Year
2018

EMBO molecular medicine

Co-infection with Chikungunya virus alters trafficking of pathogenic CD8⁺ T cells into the brain and prevents *Plasmodium*-induced neuropathology.

"16-1831 was used in Immunohistochemistry to study the effects of Chikungunya virus co-infection on the severity and susceptibility of malaria infection."

Authors: Teo TH, Howland SW, Claser C, Gun SY, Poh CM, Lee WW, Lum FM, Ng LF, Rénia L

Species
Mouse

Dilution
1:200

Year
2018

Immunocytochemistry (1)

The Journal of clinical investigation

Accumulation of follicular CD8+ T cells in pathogenic SIV infection.

"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 16-1831-81) in Immunohistochemistry"

Authors: Ferrando-Martinez S, Moysi E, Pegu A, Andrews S, Nganou Makamdop K, Ambrozak D, McDermott AB, Palesch D, Paiardini M, Pavlakis GN, Brenchley JM, Douek D, Mascola JR, Petrovas C, Koup RA

Species
Not Applicable

Dilution
Not Cited

Year
2018

Flow Cytometry (19)

BioMed research international

Fluvastatin-Pretreated Donor Cells Attenuated Murine aGVHD by Balancing Effector T Cell Distribution and Function under the Regulation of KLF2.

"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 16-1831-81) in Flow Cytometry"

Authors: Zhao K, Tian Y, Wang J, Chen C, Pan B, Yan Z, Zhu S, Xu K

Species
Not Applicable

Dilution
Not Cited

Year
2021

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

Neu (1) FN (2)

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