

CD183 (CXCR3) Monoclonal Antibody (CXCR3-173), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CXCR3-173
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1210592

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	7 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.

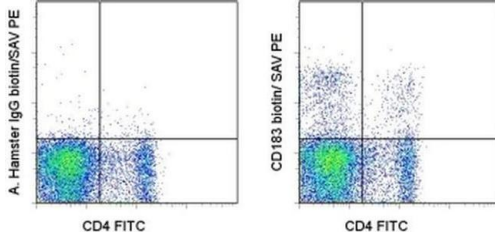
Applications Reported: This CXCR3-173 antibody has been reported for use in flow cytometric analysis.

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 0.25 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.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD183 (CXCR3) Antibody (13-1831-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Mouse CD4 FITC (Product # 11-0041-82) and 0.125 µg of Armenian Hamster IgG Isotype Control Biotin (Product # 13-4888-81) (left) or 0.125 µg of Anti-Mouse CD183 (CXCR3) Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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

Immunohistochemistry (1)

The Journal of clinical investigation

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

"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 13-1831-82) 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

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Species
Not Applicable

Dilution
Not Cited

Year
2018

Flow Cytometry (7)

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 # 13-1831-82) 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

Cell reports

Lysosomal Acid Lipase Is Required for Donor T Cells to Induce Graft-versus-Host Disease.

"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 13-1831-82) in Flow Cytometry"

Authors: Nguyen HD, Ticer T, Bastian D, Kuril S, Li H, Du H, Yan C, Yu XZ

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2020

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

More applications with references on thermofisher.com

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