

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Non-human primate, Protozoa, Mouse, Rhesus monkey
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CXCR3-173
Conjugate	FITC
Excitation/Emission Max	498/517 nm
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_11040010

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	15 Publications

Product Specific Information

Description: The monoclonal antibody CXCR3-173 recognizes mouse CD183 also known as CXCR3. CD183 is a seven transmembrane G-protein like chemokine receptor which binds three ligands; CXCL9 (mig), CXCL10 (IP-10) and CXCL11 (ITAC). CD183 has 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.

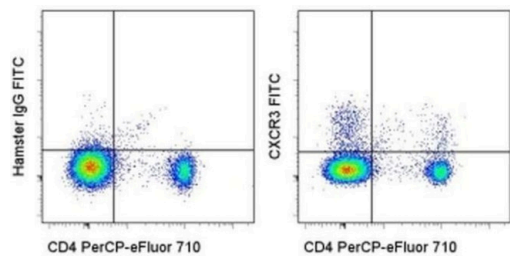
Applications Tested: This CXCR3-173 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD183 (CXCR3) Antibody (11-1831-82) in Flow
Staining of C57Bl/6 splenocytes with Anti-Mouse CD4 PerCP-eFluor® 710 (Product # 46-0042-82) and 0.125 µg of Armenian Hamster IgG Isotype Control FITC (Product # 11-4888-81) (left) or 0.125 µg of Anti-Mouse CD183 (CXCR3) FITC (right). Cells in the lymphocyte gate were used for analysis.

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Immunohistochemistry (1)

<p>The Journal of clinical investigation</p> <p>Accumulation of follicular CD8+ T cells in pathogenic SIV infection.</p> <p>"11-1831 was used in Flow cytometry/Cell sorting to characterise the phenotype, frequency, localisation, and functionality of follicular CD8 T cells in SIV-infected nonhuman primates."</p> <p>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</p>	<p>Year</p> <p>2018</p> <p>Species</p> <p>Non-human primate</p>
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Immunocytochemistry (1)

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Flow Cytometry (15)

<p>Cellular and molecular gastroenterology and hepatology</p> <p>STING Activated Tumor-Intrinsic Type I Interferon Signaling Promotes CXCR3 Dependent Antitumor Immunity in Pancreatic Cancer.</p> <p>"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 11-1831-82) in Flow Cytometry"</p> <p>Authors: Vonderhaar EP,Barnekow NS,McAllister D,McOlash L,Eid MA,Riese MJ,Tarakanova VL,Johnson BD,Dwinell MB</p>	<p>Year</p> <p>2022</p>
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<p>BioMed research international</p> <p>Fluvastatin-Pretreated Donor Cells Attenuated Murine aGVHD by Balancing Effector T Cell Distribution and Function under the Regulation of KLF2.</p> <p>"Published figure using CD183 (CXCR3) monoclonal antibody (Product # 11-1831-82) in Flow Cytometry"</p> <p>Authors: Zhao K,Tian Y,Wang J,Chen C,Pan B,Yan Z,Zhu S,Xu K</p>	<p>Year</p> <p>2021</p>
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