

PerCP/Cyanine5.5 anti-mouse CD183 (CXCR3) Antibody

Catalog# / Size	126513 / 25 µg 126514 / 100 µg
Clone	CXCR3-173
Regulatory Status	RUO
Other Names	CXCR3, G protein-coupled receptor 9 (GPR9), CKR-L2, IP10 receptor (IP10-R), Mig receptor (Mig-R)
Isotype	Armenian Hamster IgG
Description	CD183, also known as CXCR3, is a member of the C-X-C chemokine family, characterized by a pair of cysteine residues separated by a single amino acid. CXCR3 is a 38 kD seven pass transmembrane receptor coupled to G-protein. It mediates Ca ²⁺ mobilization and chemotaxis in response to C-X-C chemokines, such as IP10 (CXCL10), MIG (CXCL9), I-TAC (CXCL11) and PF4 (CXCL4). CXCR3 is expressed primarily on activated T lymphocytes, NK cells, and some epithelial cells and endothelial cells. It is not expressed on B cells, monocytes, or granulocytes.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Armenian Hamster
Immunogen	Mouse N-terminus of CXCR3
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography, and conjugated with PerCP/Cyanine5.5 under optimal conditions.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is =0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)
Application Notes	Clone CXCR3-173 does not work for Western blotting. ⁷ For <i>in vivo</i> studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 126526) with endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered.
Additional Product Notes	BioLegend is in the process of converting the name PerCP/Cy5.5 to PerCP/Cyanine5.5. The dye molecule remains the same, so you should expect the same quality and performance from our PerCP/Cyanine5.5 products. Contact Technical Service if you have any questions.
Application References	<ol style="list-style-type: none"> 1. Krug A, <i>et al.</i> 2002. <i>J. Immunol.</i> 169:6079. 2. McAleer JP, <i>et al.</i> 2009. <i>J. Immunol.</i> 182:5322. PubMed 3. Sharma R. 2009. <i>J. Immunol.</i> 183:3212. (FC) PubMed 4. Barbi J, <i>et al.</i> 2009. <i>FASEB J.</i> 23:3990. PubMed 5. Kimpfler S, <i>et al.</i> 2009. <i>J. Immunol.</i> 183:6330. PubMed 6. Dürr C, <i>et al.</i> 2010. <i>Cancer Res.</i> 70:10170. (Block) PubMed 7. Uppaluri R, <i>et al.</i> 2008. <i>Transplantation</i> 86:137.
(PubMed link indicates BioLegend citation)	

Product Citations

1. Files M, *et al.* 2022. NPJ Vaccines. 7:48. [PubMed](#)
2. Clement M, *et al.* 2016. PLoS Pathog. 12:e1006050. [PubMed](#)
3. Ferreira CP, *et al.* 2017. Front Immunol. 1.229861111. [PubMed](#)
4. Zhang L, *et al.* 2021. Clin Transl Med. 11:e464. [PubMed](#)
5. Jeong M, *et al.* 2022. JCI Insight. 7: . [PubMed](#)
6. Miyauchi K, *et al.* 2016. Nat Immunol. 17:1447-1458. [PubMed](#)
7. Truckenbrod EN, *et al.* 2021. Elife. 10: . [PubMed](#)
8. Ersching J, *et al.* 2016. PLoS Pathog. 12: 1005698. [PubMed](#)

RRID

AB_1186017 (BioLegend Cat. No. 126513)
AB_1186015 (BioLegend Cat. No. 126514)

Antigen Details

Distribution	T cells, plasmacytoid dendritic cells, GM-CSF activated CD34 ⁺ hematopoietic progenitors
Function	Essential in T cell recruitment to sites of inflammation
Cell Type	Dendritic cells, Hematopoietic stem and progenitors, T cells
Biology Area	Immunology, Innate Immunity
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR
Gene ID	12766

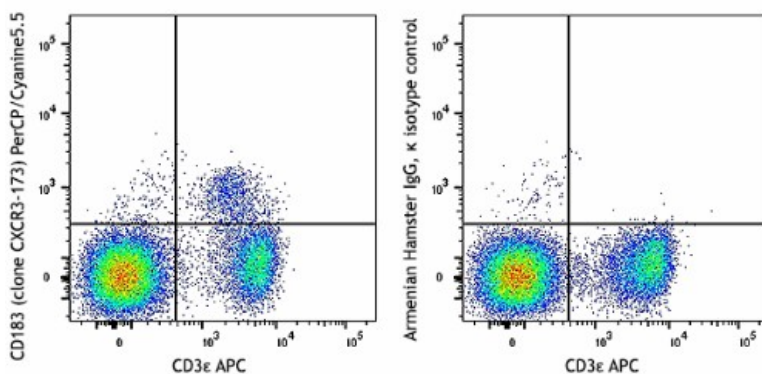
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Brilliant Violet 510™ anti-mouse CD183 (CXCR3), PE anti-mouse CD183 (CXCR3), Biotin anti-mouse CD183 (CXCR3), APC/Fire™ 750 anti-mouse CD183 (CXCR3), Purified anti-mouse CD183 (CXCR3), APC anti-mouse CD183 (CXCR3), PerCP/Cyanine5.5 anti-mouse CD183 (CXCR3), PE/Cyanine7 anti-mouse CD183 (CXCR3), Brilliant Violet 421™ anti-mouse CD183 (CXCR3), Brilliant Violet 605™ anti-mouse CD183 (CXCR3), Ultra-LEAF™ Purified anti-mouse CD183 (CXCR3), Brilliant Violet 650™ anti-mouse CD183 (CXCR3), PE/Dazzle™ 594 anti-mouse CD183 (CXCR3), FITC anti-mouse CD183 (CXCR3), Alexa Fluor® 488 anti-mouse CD183 (CXCR3), TotalSeq™-C0228 anti-mouse CD183 (CXCR3), TotalSeq™-B0228 anti-mouse CD183 (CXCR3), APC/Cyanine7 anti-mouse CD183 (CXCR3)

Product Data



C57BL/6 splenocytes were stained with CD3e APC and CD183 PerCP/Cyanine5.5 (clone CXCR3-173) (left), or PerCP/Cyanine5.5 Armenian Hamster IgG isotype control (right).

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