

PerCP/Fire™ 806 anti-mouse CD183 (CXCR3) Antibody

Catalog# / Size	155931 / 25 µg 155932 / 100 µg
Clone	S18001A
Regulatory Status	RUO
Other Names	CXCR3, G protein-coupled receptor 9 (GPR9), CKR-L2, IP10 receptor (IP10-R), Mig receptor (Mig-R)
Isotype	Rat IgG2b, κ
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	Rat
Immunogen	Mouse CXCR3-transfectants
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 806 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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire™ 806 has a maximum excitation of 478 nm and a maximum emission of 806 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3675006 (BioLegend Cat. No. 155931) AB_3675006 (BioLegend Cat. No. 155932)

Antigen Details

Structure	38 kD seven pass transmembrane receptor coupled to G-protein.
Distribution	T cells, plasmacytoid dendritic cells, GM-CSF activated CD34 ⁺ hematopoietic progenitors
Function	Essential in T cell recruitment to sites of inflammation

Ligand/Receptor	CXCL10, CXCL9, CXCL11 and CXCL4
Cell Type	Dendritic cells, Hematopoietic stem and progenitors, T cells
Biology Area	Immunology
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR

Antigen References

1. Farber JM. 1997. *J. Leukoc. Biol.* 61(3):246-57.
2. Bonecchi R, et al. 1998. *J. Exp. Med.* 187(1):129-34.
3. Aota K, et al. 2018. *J. Oral. Pathol. Med.* 12756.
4. Kim B, et al. 2018. *Data. Brief.* 18:518-522.
5. Saahene RO, et al. 2018. *Cancer Biother. Radiopharm.* 2450.

Gene ID [12766](#)

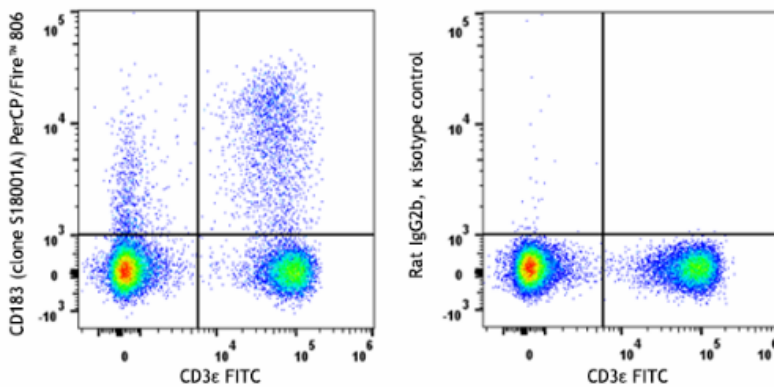
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD183 (CXCR3), PE anti-mouse CD183 (CXCR3), APC anti-mouse CD183 (CXCR3), Brilliant Violet 421™ anti-mouse CD183 (CXCR3), PE/Cyanine7 anti-mouse CD183 (CXCR3), PE/Dazzle™ 594 anti-mouse CD183 (CXCR3), PerCP/Cyanine5.5 anti-mouse CD183 (CXCR3), Brilliant Violet 605™ anti-mouse CD183 (CXCR3) Antibody, Brilliant Violet 711™ anti-mouse CD183 (CXCR3) Antibody, Brilliant Violet 510™ anti-mouse CD183 (CXCR3) Antibody, PE/Fire™ 640 anti-mouse CD183 (CXCR3), PE/Fire™ 810 anti-mouse CD183 (CXCR3), PerCP/Fire™ 780 anti-mouse CD183 (CXCR3), PE/Cyanine5 anti-mouse CD183 (CXCR3), PE/Fire™ 700 anti-mouse CD183 (CXCR3), PerCP/Fire™ 806 anti-mouse CD183 (CXCR3)

Product Data



C57BL/6 splenocytes were stained with anti-mouse CD3ε (clone 145-2C11) FITC and anti-mouse CD183 (CXCR3) (clone S18001A) PerCP/Fire™ 806 (left) or rat IgG2b, κ PerCP/Fire™ 806 isotype control (right).

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587