

PerCP/Fire™ 780 anti-mouse CD182 (CXCR2) Antibody

Catalog# / Size	149325 / 25 µg 149326 / 100 µg
Clone	SA044G4
Regulatory Status	RUO
Other Names	IL-8RB, GRO/MGSA, Cmkar2
Isotype	Rat IgG2a, κ
Description	CD182, also known as CXCR2, is a G-protein coupled receptor with 7 transmembrane regions that is involved in chemotaxis, neutrophil activation and angiogenesis. CXCR2 is expressed by neutrophils, basophils, subset of T cells, monocytes, macrophages, NK and NKT cells. Its ligands are CXCL1, CXCL2, CXCL3 and CXCL5.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse CXCR2-transfected cells.
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™ 780 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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire™ 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3675000 (BioLegend Cat. No. 149325) AB_3675000 (BioLegend Cat. No. 149326)

Antigen Details

Structure	G-protein coupled receptor, 7 transmembrane regions.
Distribution	Neutrophils, basophils, subset of T cells, monocytes, macrophages, and natural killer cells (NK).
Function	Chemotaxis, neutrophil activation, and angiogenesis
Ligand/Receptor	CXCL1, CXCL2, CXCL3, and CXCL5.
Cell Type	Neutrophils

Biology Area

Cell Biology, Immunology, Innate Immunity, Neuroinflammation, Neuroscience

Molecular Family

CD Molecules, Cytokine/Chemokine Receptors, GPCR

Antigen References

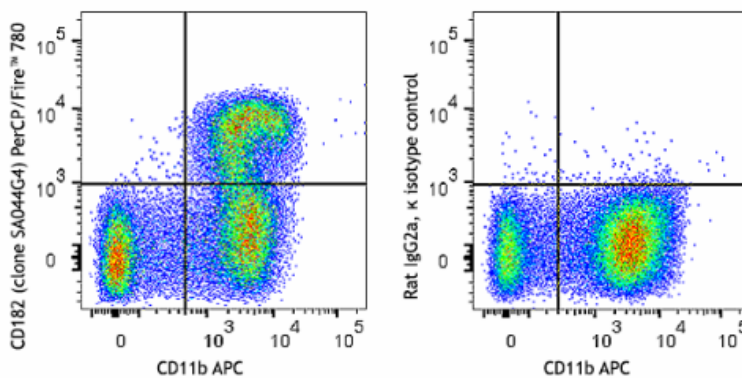
1. Spaan AN, *et al.* 2014. *Nat. Commun.* 5:5438.
2. Natsuaki Y, *et al.* 2014. *Nat. Immunol.* 11:1064.
3. Hsieh CY, *et al.* 2014. *J. Immunol.* 193:3693.
4. Diana J, and Lehuen A. 2014. *EMBO Mol. Med.* 6:1090.
5. 5Stoolman JS, *et al.* 2014. *J. Immunol.* 193:564.

Gene ID[12765](#)**Related Protocols**

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

Other Formats

Purified anti-mouse CD182 (CXCR2), PE anti-mouse CD182 (CXCR2), Alexa Fluor® 647 anti-mouse CD182 (CXCR2), PerCP/Cyanine5.5 anti-mouse CD182 (CXCR2), FITC anti-mouse CD182 (CXCR2), APC anti-mouse CD182 (CXCR2), APC/Cyanine7 anti-mouse CD182 (CXCR2), PE/Cyanine7 anti-mouse CD182 (CXCR2), PE/Dazzle™ 594 anti-mouse CD182 (CXCR2), TotalSeq™-C0909 anti-mouse CD182 (CXCR2), TotalSeq™-B0909 anti-mouse CD182 (CXCR2), TotalSeq™-A0909 anti-mouse CD182 (CXCR2), PerCP/Fire™ 780 anti-mouse CD182 (CXCR2) Antibody

Product Data

C57BL/6 mouse bone marrow cells were stained with anti-mouse/human CD11b (clone M1/70) APC and anti-mouse CD182 (CXCR2) (clone SA044G4) PerCP/Fire™ 780 (left) or rat IgG2a, κ PerCP/Fire™ 780 isotype control (right).

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