

Purified anti-mouse CD183 (CXCR3)

Catalog # / Size: 1379510 / 500 µg

Clone: S18001A

Isotype: Rat IgG2b, κ

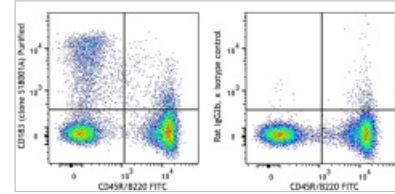
Immunogen: Mouse CXCR3-transfectants

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml



C57BL/6 splenocytes stained with CD45R/B220 FITC and purified CD183 (CXCR3, clone S18001A) (left) or purified Rat IgG2b κ (right), followed by anti-Rat IgG PE.

Applications:

Applications: Flow Cytometry

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.

Application 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

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 Ca²⁺ 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.

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.