SONY

Product Data Sheet

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

Catalog # / Size: 1379555 / 25 µg
1379560 / 100 µg

Clone: S18001A

Isotype: Rat IgG2b, κ

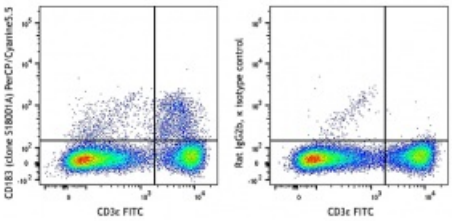
Immunogen: Mouse CXCR3-transfectants

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.

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

Concentration: 0.2 mg/mL



C57BL/6 splenocytes stained with CD3ε FITC and CD183 (CXCR3) (clone S18001A) PerCP/Cyanine5.5 (left) or rat IgG2b, κ PerCP/Cyanine5.5 isotype control (right).

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.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

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 activiated 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.

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