SONY

Product Data Sheet

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

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

Clone: S18001A

Isotype: Rat IgG2b, κ

Immunogen: Mouse CXCR3-transfectants

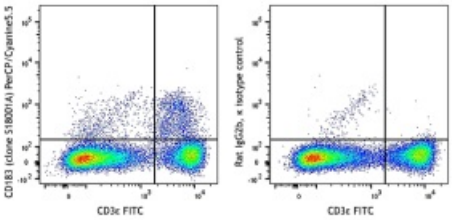
Reactivity: Mouse

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

Workshop Number: V-CD28.05

Concentration: 0.2



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).

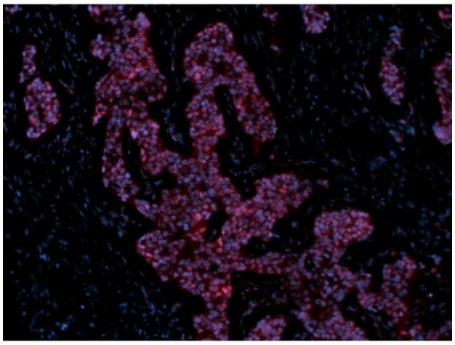
Applications:

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.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting[1] and immunofluorescence[1].



Bend.3 mouse endothelial cells were stained with CD63 (clone NVG-2) FITC (filled histogram) or rat IgG2a, κ FITC isotype control (open histogram).

Application References:

1. Verjan Garcia N, *et al.* 2011. *J. Immunol.* 187:2268. (WB, IF)

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.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.
Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com

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.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.