

**PE/Cyanine7 anti-mouse CD183 (CXCR3)**

**Catalog # / Size:** 1379550 / 100 µg  
1379545 / 25 µg

**Clone:** S18001A

**Isotype:** Rat IgG2b, κ

**Immunogen:** Mouse CXCR3-transfectants

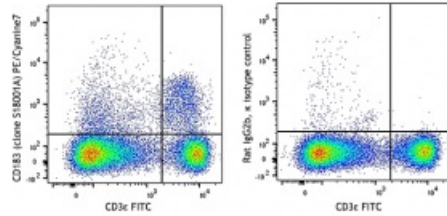
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.

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

**Workshop Number:** V-CD28.05

**Concentration:** 0.2 mg/mL



C57BL/6 splenocytes stained with CD3ε FITC and CD183 (CXCR3) (clone S18001A) PE/Cyanine7 (left) or rat IgG2b, κ PE/Cyanine7 isotype control (right).

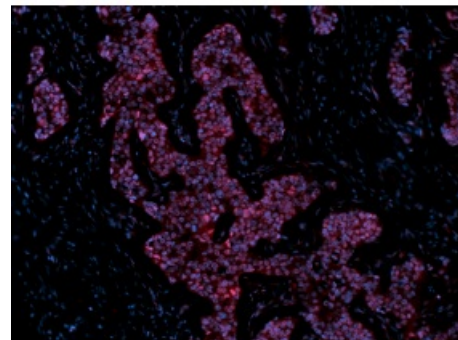
**Applications:**

**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.

**Application Notes:** Additional reported applications (for the relevant formats) include: Western blotting<sup>1</sup> and immunofluorescence<sup>1</sup>.

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



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

**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<sup>2+</sup> 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.