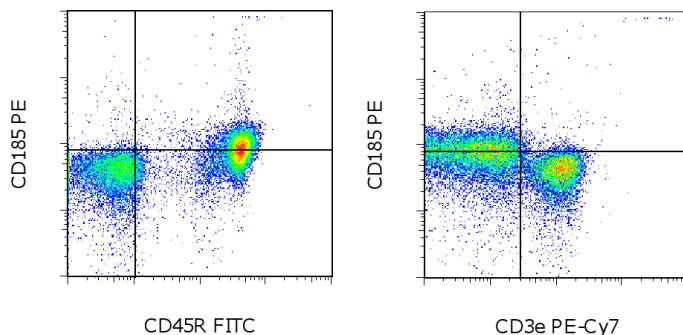


Anti-Mouse CD185 (CXCR5) PE (To Be Discontinued. Please refer to clone SPRCL5 (Cat. No. 12-7185))

Catalog Number: 12-1851

Also known as: C-X-C Chemokine Receptor Type 5

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c splenocytes with 1.0 ug Anti-Mouse CD185 (CXCR5) PE and Anti-Mouse CD45R (B220) FITC (cat. 11-0452) (left) or Anti-Mouse CD3e PE-Cy7 (cat. 25-0031) (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD185 (CXCR5) PE (To Be Discontinued. Please refer to clone SPRCL5 (Cat. No. 12-7185))

Catalog Number: 12-1851

Clone: Polyclonal

Concentration: 0.2 mg/mL

Host/Isotype: Rabbit IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This polyclonal antibody reacts with Mouse CD185. CD185, which is also known as C-X-C chemokine receptor 5 (CXCR5) and Burkitt lymphoma receptor 1 (BLR1), is a seven transmembrane G protein-coupled receptor originally identified in Burkitt's lymphoma. In peripheral blood, CXCR5 is expressed on B cells, CD4+ T cells (but not Th1 or Th2 cells), as well as on a subpopulation of memory (CD45RO+) T cells. CXCR5+ circulating T cells are in a resting state and migrate to the lymph nodes due to expression of CCR7 and CD62L. In tonsil, CXCR5 is expressed on nearly all CD4+ cells, including follicular helper T cells, along with CD45RO and such activation markers as CD69 and ICOS. These cells have been shown to induce antibody production when co-cultured with B cells, thus supporting their role in providing B cell help. Furthermore, this chemokine receptor plays a critical role in lymphocyte trafficking, in particular T cell migration into the B cell follicles of germinal centers in response to CXCL13, making CXCR5 an established marker of follicular helper T cells.

Applications Reported

This polyclonal antibody has been reported for use in flow cytometric analysis.

Applications Tested

Anti-Mouse CD185 (CXCR5) PE has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 2 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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chemokine receptors. J Leukoc Biol. 2002 Jul; 72(1):1-8

Forster R, Mattis AE, Kremmer E, Wolf E, Brem G, Lipp M. A putative chemokine receptor, BLR1, directs B cell migration to defined lymphoid organs and specific anatomic compartments of the spleen. Cell. 1996 Dec 16;87(6):1037-47.

Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)

25-0031 Anti-Mouse CD3e PE-Cy7 (145-2C11)