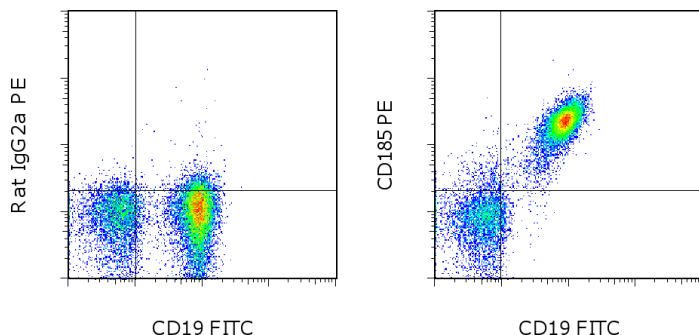


Anti-Mouse CD185 (CXCR5) PE

Catalog Number: 12-7185

Also known as: C-X-C Chemokine Receptor Type 5, BLR1, MDR15

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



Staining of BALB/c splenocytes with Anti-Mouse CD19 FITC (cat. 11-0193) and 0.125 ug of Rat IgG2a K Isotype Control PE (cat. 12-4321) (left) or 0.125 ug of Anti-Mouse CD185 (CXCR5) PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Mouse CD185 (CXCR5) PE

Catalog Number: 12-7185

Clone: SPRCL5

Host/Isotype: Rat IgG2a, kappa



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

Contains sodium azide

Description

This SPRCL5 monoclonal 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 along with CD45RO and such activation markers as CD69 and ICOS. Tonsillar CXCR5⁺ 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.

This SPRCL5 does not see a formaldehyde fixed epitope, therefore staining should be done prior to fixation.

Applications Reported

This SPRCL5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This SPRCL5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 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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Muller G, Hopken UE, Stein H, Lipp M. Systemic immunoregulatory and pathogenic functions of homeostatic

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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

00-4222 Flow Cytometry Staining Buffer

11-0193 Anti-Mouse CD19 FITC (eBio1D3 (1D3))

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)