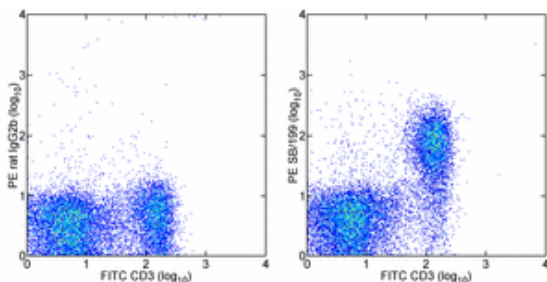


Anti-Mouse CD127 PE

Catalog Number: 12-1273

Also Known As: Interleukin-7 Receptor alpha, IL-7Ra

RUO: For Research Use Only



Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and 0.25 µg of Rat IgG2b κ Isotype Control PE (cat. 12-4031) (left) or 0.25 µg of Anti-Mouse CD127 PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD127 PE

REF Catalog Number: 12-1273

Clone: eBioSB/199 (SB/199)

Concentration: 0.2 mg/ml

Host/Isotype: Rat IgG2b, κ

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



Caution, contains Azide

Description

The SB/199 monoclonal antibody reacts with mouse CD127, the high affinity α subunit of the mouse IL-7 receptor. IL-7 receptor α chain is expressed by immature B cells in the bone marrow, double-negative (CD4-/CD8-), single-positive (CD4+ and CD8+), but not double-positive (CD4+/CD8+) thymocytes. In the periphery, mature T cells express low levels of CD127. Binding of SB/199 blocks the binding of A7R34, another antibody which recognizes mouse CD127.

Applications Reported

This eBioSB/199 (SB/199) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioSB/199 (SB/199) 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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Sudo, T., S. Nishikawa, et al. 1993. Expression and function of the interleukin 7 receptor in murine lymphocytes. *Proc Natl Acad Sci U S A* 90(19): 9125-9.

Ohana M, Okazaki K, Oshima C, et al. 2001. A critical role for IL-7R signaling in the development of Helicobacter felis-induced gastritis in mice. *Gastroenterology.* Aug;121(2):329-36.

Okuno Y, Iwasaki H, Huettner CS, Radomska HS, Gonzalez DA, Tenen DG, Akashi K. 2002. Differential regulation of the human and murine CD34 genes in hematopoietic stem cells. *Proc Natl Acad Sci U S A.* Apr 30;99(9):6246-51.

Related Products

12-1271 Anti-Mouse CD127 PE (A7R34)

12-1278 Anti-Human CD127 PE (eBioRDR5)

12-4031 Rat IgG2b K Isotype Control PE

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