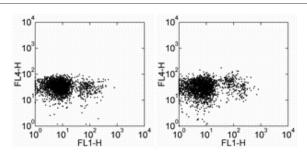


Anti-Mouse CD127 Alexa Fluor® 700

Catalog Number: 56-1271

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

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



Staining of C57BL/6 bone marrow cells with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.5 ug of Rat IgG2a K Isotype Control Alexa Fluor® 700 (cat. 56-4321) (left) or 0.5 ug of Anti-Mouse CD127 Alexa Fluor® 700 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD127 Alexa Fluor® 700

REF Catalog Number: 56-1271

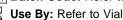
Clone: A7R34

Concentration: 0.2 mg/mL 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



Description

The A7R34 monoclonal antibody reacts with mouse CD127, the high affinity alpha subunit of the mouse IL-7 receptor. IL-7 receptor alpha 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 CD127 at low level. A7R34 inhibits binding of IL-7 to its receptor and has been used in in vivo and in vitro studies to elucidate the role of IL-7 in T and B cell development and activation. Binding of A7R34 blocks the binding of SB/199, another antibody which recognizes mouse CD127.

Applications Reported

This A7R34 antibody has been reported for use in flow cytometric analysis.

The Alexa Fluor® 700 emits at 723 nm and can be excited with the He-Ne 633 laser. Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochome.

Applications Tested

This A7R34 antibody has been tested by flow cytometric analysis of mouse thymocyte and splenocyte suspensions. This can be used at less than or equal to 1 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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Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2) 56-4321 Rat IgG2a K Isotype Control Alexa Fluor® 700 (eBR2a)

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