

# Anti-Mouse CD127 FITC

Catalog Number: 11-1271 Also Known As:Interleukin-7 Receptor alpha, IL-7Ra For Research Use Only. Not for use in diagnostic procedures.



### 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**

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

#### **Applications Tested**

The 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  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> 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**

11-0031 Anti-Mouse CD3e FITC (145-2C11) 11-4321 Rat IgG2a K Isotype Control FITC (eBR2a) 12-0031 Anti-Mouse CD3e PE (145-2C11)

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