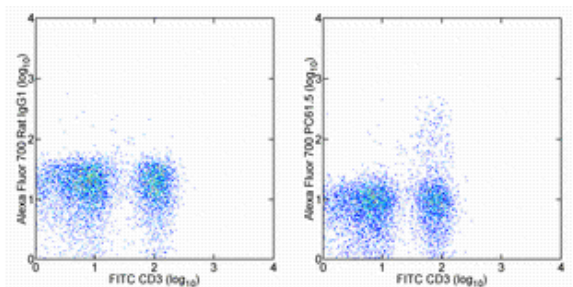


## Anti-Mouse CD25 Alexa Fluor<sup>®</sup> 700

Catalog Number: 56-0251

Also Known As: Interleukin-2 Receptor alpha

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



Staining of BALB/c splenocytes with Anti-Mouse CD25 FITC (cat. 11-0031) and 0.125 ug of Rat IgG1 K Isotype Control Alexa Fluor<sup>®</sup> 700 (cat. 56-4301) (left) or 0.125 ug of Anti-Mouse CD25 Alexa Fluor<sup>®</sup> 700 (right). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse CD25 Alexa Fluor<sup>®</sup> 700


**REF** Catalog Number: 56-0251

Clone: PC61.5


Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG1, lambda

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.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

### Description

The PC61.5 antibody reacts with mouse CD25, the 55 kDa interleukin-2 receptor alpha chain (IL-2R alpha). CD25 is expressed by early progenitors of the T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 associates with CD122 (IL-2 receptor beta chain) and CD132 (common gamma chain) to form the high affinity IL-2 receptor. Binding of IL-2 to both the high and low affinity classes of IL-2 receptor is inhibited by the PC61.5 antibody. CD25 plays a role in lymphocyte differentiation and activation/proliferation.

### Applications Reported

This PC61.5 antibody has been reported for use in flow cytometric analysis.

The Alexa Fluor<sup>®</sup> 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 fluorochrome.

### Applications Tested

This PC61.5 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 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)

56-4301 Rat IgG1 K Isotype Control Alexa Fluor® 700

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