

# CD25 Monoclonal Antibody (PC61.5), Alexa Fluor 647, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotope	Rat / IgG1, lambda
Class	Monoclonal
Type	Antibody
Clone	PC61.5
Conjugate	Alexa Fluor® 647
Form	Liquid
Concentration	0.2 mg/ml
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2744734

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.25 µg/test	

## Product Specific Information

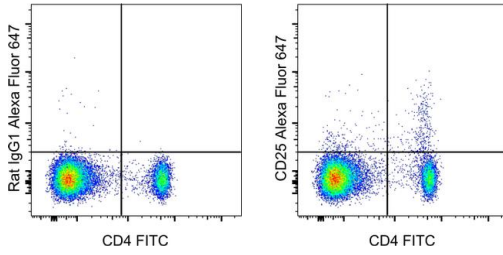
**Description:** The PC61.5 antibody reacts with mouse CD25, the 55 kDa interleukin-2 receptor alpha chain (IL-2R alpha). CD25 is expressed by early progenitors of the T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 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.

**Applications Tested:** This PC61.5 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may 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.

**Excitation:** 633-647 nm; **Emission:** 668 nm; **Laser:** Red Laser

## Product Images For CD25 Monoclonal Antibody (PC61.5), Alexa Fluor 647, eBioscience™



### CD25 Antibody (51-0251-82) in Flow

Swiss Webster mouse splenocytes were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0042-82) and 0.125  $\mu$ g of Rat IgG1 kappa Isotype Control, Alexa Fluor 647 (left) or 0.125  $\mu$ g of CD25 Monoclonal Antibody, Alexa Fluor 647 (right). Cells in the lymphocyte gate were used for analysis.

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