

For Research Use Only

# PE Anti-Mouse CD25/IL-2RA (PC61.5)

Catalog Number: PE-65137



## Basic Information

<b>Catalog Number:</b> PE-65137	<b>GenBank Accession Number:</b> BC114437	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 16184	<b>CloneNo.:</b> PC61.5
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P01590	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG1, lambda	<b>Full Name:</b> interleukin 2 receptor, alpha chain	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## Background Information

Proliferation of T lymphocytes is triggered by the interaction of IL-2 with its specific receptor following T lymphocyte activation. The receptor for IL-2 has three forms, generated by different combinations of three different proteins, the alpha chain (IL-2R alpha), the beta chain (IL-2R beta), and the gamma chain (IL-2R gamma) (PMID: 8476561). IL-2R alpha (also known as CD25) is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. CD25 is also found on natural CD4<sup>+</sup>Foxp3<sup>+</sup> Treg cells (PMID: 22585674).

## Storage

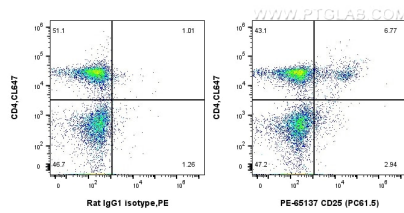
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with Coralite® Plus 647 Anti-Human CD4 and 0.5 ug PE Anti-Mouse CD25 (PE-65137, Clone:PC61.5) or 0.5 ug PE Rat IgG1 Isotype Control (HRPN) (PE-65212, Clone: HRPN). Cells were not fixed.