

For Research Use Only

# CoraLite® Plus 750 Anti-Mouse CD25/IL-2RA (PC61.5)

Catalog Number: CL750-65137



## Basic Information

|                                       |  |   |
|---------------------------------------|--|---|
| <b>Catalog Number:</b><br>CL750-65137 | <b>GenBank Accession Number:</b><br>BC114437             | <b>Purification Method:</b><br>Affinity purification              |
| <b>Size:</b><br>100ug, 0.5 mg/ml      | <b>GeneID (NCBI):</b><br>16184                           | <b>CloneNo.:</b><br>PC61.5  |
| <b>Source:</b><br>Rat                 | <b>UNIPROT ID:</b><br>P01590                             | <b>Excitation/Emission maxima wavelengths:</b><br>755 nm / 780 nm |
| <b>Isotype:</b><br>IgG1, lambda       | <b>Full Name:</b><br>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 0.09% sodium azide.

For technical support and original validation data for this product please contact:

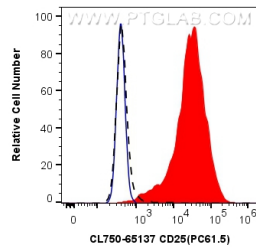
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> stimulated (dashed) or plate-bound Anti-CD3 and Anti-CD28 stimulated mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 750 Anti-Mouse CD25 (CL750-65137, Clone: PC61.5) (red), or 0.5 ug Control Antibody. Cells were not fixed.