

For Research Use Only

CoraLite® Plus 750 Anti-Mouse CD25 (PC61.5)



Catalog Number: CL750-65137

Basic Information

| | | |
|---------------------------------------|--|---|
| Catalog Number: CL750-65137 | GenBank Accession Number: BC114437 | Purification Method: Affinity purification |
| Size: 100ug, 0.5 mg/ml | GeneID (NCBI): 16184 | CloneNo.: PC61.5 |
| Source: Rat | UNIPROT ID: P01590 | Excitation/Emission maxima wavelengths: 755 nm / 780 nm |
| Isotype: IgG1, lambda | Full Name: 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+Foxp3+ 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:

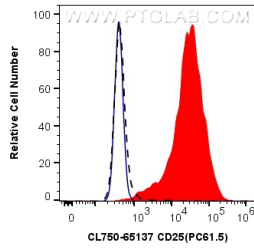
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ 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.