For Research Use Only

Anti-Mouse CD25/IL-2RA (PC61.5) Rat Recombinant Antibody

Catalog Number:65700-1-TR

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Basic Information

Catalog Number:
65700-1-TR

Size:
100ug , 1000 µg/ml

Source:
Rat

Isotype:
IgG2c

GenBank Accession Number:
BC114437

GeneID (NCBI):
16184

UNIPROT ID:
P01590

Full Name:
interleukin 2 receptor, alpha chain

Purification Method:
Protein A purification

CloneNo.:
PC61.5

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : anti-CD3/CD28 treated mouse splenocytes,

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).

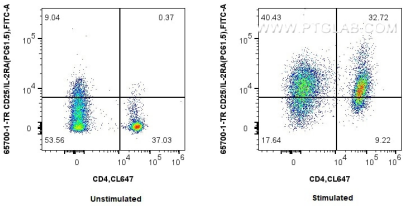
Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1x10^6 untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD25/IL-2RA (PC61.5) Rat RecAb (65700-1-TR, Clone: PC61.5) and Fluorescein (FITC)-conjugated Goat Anti-Rat IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD4. Cells were not fixed.