

For Research Use Only

FcZero-rAb® PE-Cyanine5.5 Anti-Human CD25/IL-2RA Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98469-4



Basic Information

Catalog Number:
PY5P5-FcA98469-4
Concentration:
100 tests, 5 µl/test
Source:
Rabbit
Isotype:
IgG

GenBank Accession Number:
GeneID (NCBI):
3559
Full Name:
interleukin 2 receptor, alpha

Purification Method:
Protein A purification
CloneNo.:
253320A1
Recommended Dilutions:
FC: 5 µl per 10⁶ cells in a 100 µl suspension
Excitation/Emission maxima wavelengths:
496 nm, 565 nm / 692 nm

Applications

Tested Applications:
FC
Species Specificity:
human, monkey, non-human primates

Positive Controls:
FC : PHA treated human PBMCs,

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 and a subset of human CD4⁺ memory T 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 and 0.5% BSA, pH7.3

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

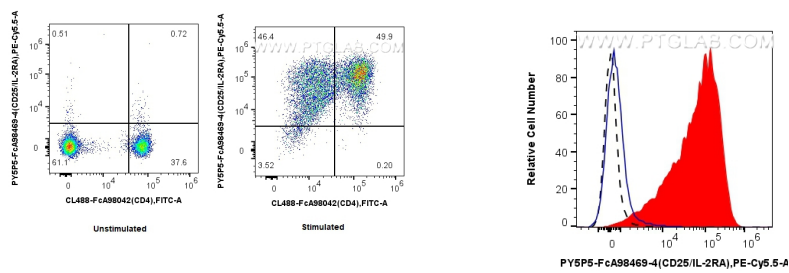
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PHA treated human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Human CD4 and 5 ul PE-Cyanine5.5 Anti-Human CD25/IL-2RA Rabbit RecAb (PY5P5-FcA98469-4, Clone: 253320A1). Cells were not fixed.

1x10⁶ PHA treated human PBMCs were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CD25/IL-2RA Rabbit RecAb (PY5P5-FcA98469-4, Clone: 253320A1) (red) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CD25/IL-2RA Rabbit RecAb (PY5P5-FcA98469-4, Clone: 253320A1) (black,

