

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

Size:

100 tests, 5 ul/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 ul per  $10^6$  cells in a 100  $\mu$ l 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<sup>+</sup>Foxp3<sup>+</sup> Treg cells and a subset of human CD4<sup>+</sup> 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

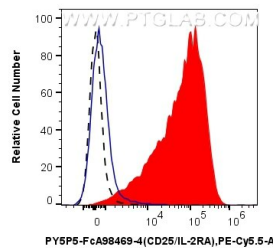
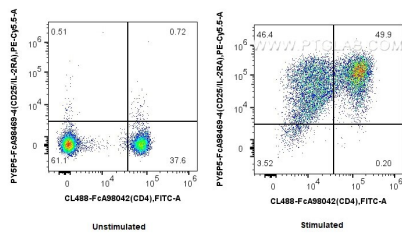
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## Selected Validation Data



1x10<sup>6</sup> 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.

1x10<sup>6</sup> 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). 1x10<sup>6</sup> 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,

