

For Research Use Only

# PE Anti-Human CD25/IL-2RA (BC96)

Catalog Number: PE-65096



## Basic Information

Catalog Number:

PE-65096

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC156627

GeneID (NCBI):

3559

UNIPROT ID:

P01589

Full Name:

interleukin 2 receptor, alpha

Calculated MW:

272 aa, 31 kDa

Purification Method:

Affinity purification

CloneNo.:

BC96

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

## 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.

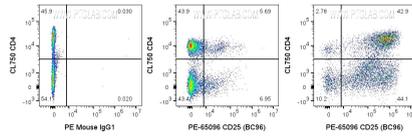
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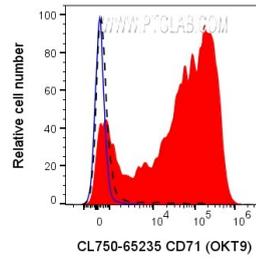
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## Selected Validation Data



$1 \times 10^6$  PHA treated (3 days) human PBMCs were surface stained with CL750 Anti-Human CD4 (CL750-65147) and 5  $\mu$ l PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (right) or PE Mouse IgG1 Isotype Control (PE-65124, Clone: MOPC-21) (left).  $1 \times 10^6$  untreated human PBMCs were surface stained with CL750 Anti-Human CD4 (CL750-65147) and 5  $\mu$ l PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (center). Cells were not fixed. Lymphocytes were gated.



$1 \times 10^6$  PHA treated (3 days) human PBMCs were surface stained with 5  $\mu$ l PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (red) or PE Mouse IgG1 Isotype Control (PE-65124, Clone: MOPC-21) (blue).  $1 \times 10^6$  untreated human PBMCs were surface stained with 5  $\mu$ l PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (black dashed). Cells were not fixed. Lymphocytes were gated.