

APC Anti-Human CD25 (BC96)

Catalog Number: **APC-65096**

Basic Information

Catalog Number:

APC-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:

650 nm / 660 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⁺Foxp3⁺ Treg cells and a subset of human CD4⁺ memory T cells (PMID: 22585674).

Storage

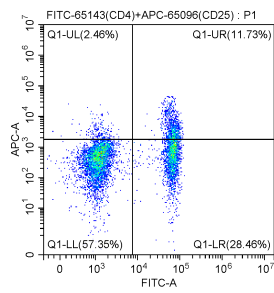
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

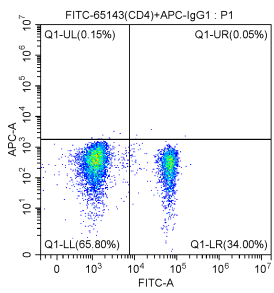
Storage Buffer:

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 0.125 ug FITC-Anti-Human CD4 (FITC-65143, clone RPA-T4) and 0.125 ug APC-Anti-Human CD25 (APC-65096, clone BC96). Cells were not fixed.



1X10⁶ human peripheral blood lymphocytes were surface stained with 0.125 ug FITC-Anti-Human CD4 (FITC-65143, clone RPA-T4) and 0.125 ug APC-mouse IgG1 isotype control. Cells were not fixed.