

For Research Use Only

APC Anti-Human CD25 (BC96)

Catalog Number: APC-65096



Basic Information

Catalog Number: APC-65096	GenBank Accession Number: BC156627	Purification Method: Affinity purification
Size: 100tests , 5 µl(0.125µg)/test	GeneID (NCBI): 3559	CloneNo.: BC96
Source: Mouse	Full Name: interleukin 2 receptor, alpha	
Isotype: IgG1	Calculated MW: 272 aa, 31 kDa	

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

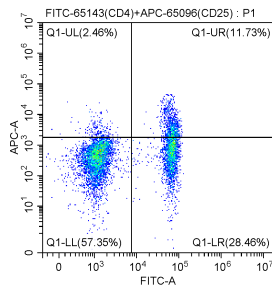
For technical support and original validation data for this product please contact:

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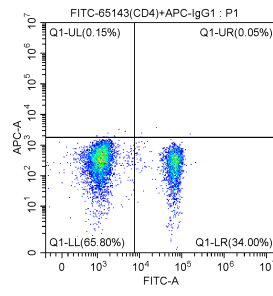
E: proteintech@ptglab.com
W: ptglab.com

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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.