

For Research Use Only

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

Catalog Number: FITC-65096



## Basic Information

<b>Catalog Number:</b> FITC-65096	<b>GenBank Accession Number:</b> BC156627	<b>Purification Method:</b> Affinity purification
<b>Concentration:</b> 100 tests, 5 µl/test	<b>GeneID (NCBI):</b> 3559	<b>CloneNo.:</b> BC96
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01589	<b>Recommended Dilutions:</b> FC: 5 µl per 10 <sup>6</sup> cells in 100 µl suspension
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> interleukin 2 receptor, alpha	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
	<b>Calculated MW:</b> 272 aa, 31 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : PHA treated human PBMCs,
<b>Species Specificity:</b> 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, pH7.3

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

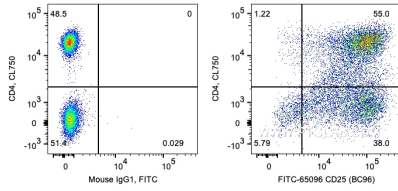
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

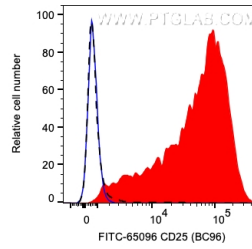
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## Selected Validation Data



1X10<sup>6</sup> day 3 PHA treated human PBMCs were surface co-stained with CL750 Anti-Human CD4 and 5 ul FITC Plus Anti-Human CD25 (FITC-65096, Clone: BC96) or Mouse IgG1 Isotype control. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> day 3 PHA treated human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD25 (FITC-65096, Clone: BC96) (red) or Mouse IgG1 Isotype control (blue). Unactivated human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD25 (black). Cells were not fixed. Lymphocytes were gated.