

For Research Use Only

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

Catalog Number: PE-65096



## Basic Information

<b>Catalog Number:</b> PE-65096	<b>GenBank Accession Number:</b> BC156627	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 3559	<b>CloneNo.:</b> BC96
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01589	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> interleukin 2 receptor, alpha	
	<b>Calculated MW:</b> 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<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.

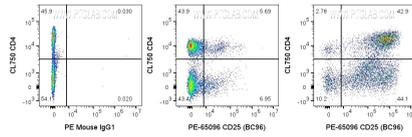
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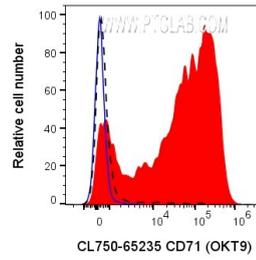
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## Selected Validation Data



1x10<sup>6</sup> PHA treated (3 days) human PBMCs were surface stained with CL750 Anti-Human CD4 (CL750-65147) and 5 ul PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (right) or PE Mouse IgG1 Isotype Control (PE-65124, Clone: MOPC-21) (left). 1x10<sup>6</sup> untreated human PBMCs were surface stained with CL750 Anti-Human CD4 (CL750-65147) and 5 ul PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (center). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> PHA treated (3 days) human PBMCs were surface stained with 5 ul PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (red) or PE Mouse IgG1 Isotype Control (PE-65124, Clone: MOPC-21) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul PE Anti-Human CD25/IL-2RA (PE-65096, Clone:BC96) (black dashed). Cells were not fixed. Lymphocytes were gated.