

For Research Use Only

# Anti-Human CD25 (BC96)

Catalog Number: 65096-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 65096-1-Ig	<b>GenBank Accession Number:</b> BC156627	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 3559	<b>CloneNo.:</b> BC96
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01589	
<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

**Cited Applications:**  
FC

**Species Specificity:**  
Human

**Cited Species:**  
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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuan-Hao Wu	27875659	DNA Cell Biol	FC

## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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

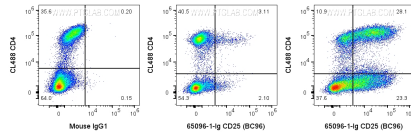
T: 4006900926

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

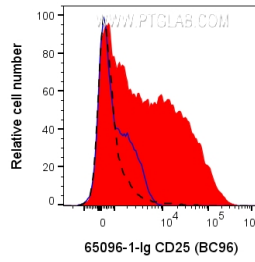
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were stimulated with Human CD3/CD28 T cell Activation Beads Kit (KMS310) for 2 days then surface stained with 0.2 ug Anti-Human CD25 (65096-1-Ig, Clone: BC96) (right) or Mouse IgG1 Isotype Control (left). 1x10<sup>6</sup> unstimulated human PBMCs were surface stained with 0.2 ug Anti-Human CD25 (65096-1-Ig, Clone:BC96) (center). All samples were then stained with CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Donkey Anti-Mouse IgG (H+L) at



1x10<sup>6</sup> human PBMCs were stimulated with Human CD3/CD28 T cell Activation Beads Kit (KMS310) for 2 days then surface stained with 0.2 ug Anti-Human CD25 (65096-1-Ig, Clone: BC96) (red) or Mouse IgG1 Isotype Control (blue). 1x10<sup>6</sup> unstimulated human PBMCs were surface stained with 0.2 ug Anti-Human CD25 (65096-1-Ig, Clone:BC96) (black dashed). All samples were then stained with CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Donkey Anti-Mouse IgG (H+L) at

