

For Research Use Only

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

Catalog Number: 65096-1-Ig **2 Publications**



## Basic Information

Catalog Number:

65096-1-Ig

Concentration:

100ug, 0.5 mg/ml

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

Recommended Dilutions:

FC: 0.2 ug per 10<sup>6</sup> cells in 100  $\mu$ l suspension

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

human

Cited Species:

human

Positive Controls:

FC : human PBMCs,

## 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          |
| Sara Vázquez-Mera | 39319599  | Allergy       |             |

## Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

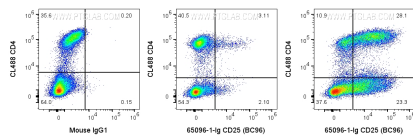
T: 4006900926

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

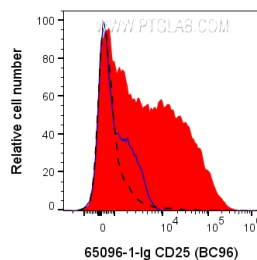
W: [ptgcn.com](http://ptgcn.com)

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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