

For Research Use Only

# Anti-Human CD25 (BC96) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65620-1-PBS



## Basic Information

Catalog Number:

65620-1-PBS

Size:

1mg, 2mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC156627

GeneID (NCBI):

3559

Full Name:

interleukin 2 receptor, alpha

Calculated MW:

272 aa, 31 kDa

Purification Method:

Protein A purification

CloneNo.:

BC96

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

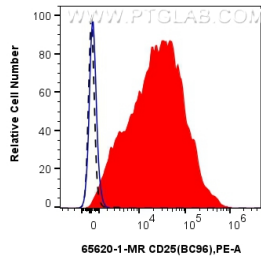
T: 4006900926

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

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

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> PHA treated human PBMCs were surface stained with 0.25 ug Anti-Human CD25 (BC96) Mouse IgG2a Recombinant Antibody (65620-1-MR, Clone: BC96) (red) or Mouse IgG2a Isotype Control (blue), and PE-conjugated Goat Anti-Mouse IgG. 1x10<sup>6</sup> untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD25 (BC96) Mouse IgG2a Recombinant Antibody (65620-1-MR, Clone: BC96) and PE-conjugated Goat Anti-Mouse IgG (black, dashed). Cells were not

