

For Research Use Only

Biotin Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65620



Basic Information

Catalog Number:

Biotin-65620

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC156627

GeneID (NCBI):

3559

UNIPROT ID:

P01589

Full Name:

interleukin 2 receptor, alpha

Calculated MW:

272 aa, 31 kDa

Purification Method:

Protein A purification

CloneNo.:

BC96

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC, ELISA

Species Specificity:

human, monkey, non-human primates

Positive Controls:

FC : PHA treated 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⁺Foxp3⁺ Treg cells and a subset of human CD4⁺ 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, pH7.3

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

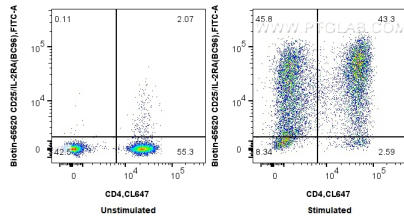
T: 4006900926

E: Proteintech-CN@ptglab.com

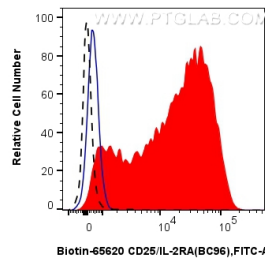
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Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a RecAb (Biotin-65620, Clone: BC96) and CoraLite®488-conjugated streptavidin. Cells were co-stained with CoraLite® Plus 647 Anti-Human CD4 Rabbit Recombinant Antibody (CL647-98042, Clone: 240427E12). Cells were not fixed.



1x10⁶ PHA-treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a RecAb (Biotin-65620, Clone: BC96) and CoraLite®488-conjugated streptavidin (red), or unstained (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a RecAb (Biotin-65620, Clone: BC96) and CoraLite®488-conjugated streptavidin (black, dashed). Cells were not fixed.