For Research Use Only

CoraLite® Plus 555 Anti-Human CD25/IL-2RA (BC96)

Catalog Number:CL555-65096

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL555-65096

Concentration:
100tests, 5 ul/test

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: 5 ul per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
554 nm / 570 nm

Applications

Tested Applications:
FC

Species Specificity:
Human,Cynomolgus monkey

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).

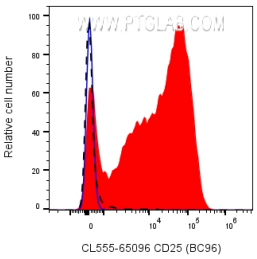
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

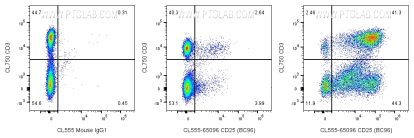
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 PHA treated (3 days) human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD25 (CL555-65096, Clone:BC96) (red) or CoraLite® Plus 555 Mouse IgG1 Isotype Control (blue). 1x10^6 untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD25 (CL555-65096, Clone:BC96) (black dashed). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Lymphocytes were gated.



1x10^6 PHA treated (3 days) human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul CoraLite® Plus 555 Anti-Human CD25 (CL555-65096, Clone:BC96) (right) or CoraLite® Plus 555 Mouse IgG1 Isotype Control (left). 1x10^6 untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD25 (CL555-65096, Clone:BC96) (center). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining.