

For Research Use Only

CoraLite® Plus 750 Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a Recombinant Antibody

Catalog Number: CL750-65620



Basic Information

Catalog Number: CL750-65620	GenBank Accession Number: BC156627	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 3559	CloneNo.: BC96
Source: Mouse	Full Name: interleukin 2 receptor, alpha	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Isotype: IgG2a	Calculated MW: 272 aa, 31 kDa	

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⁺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:

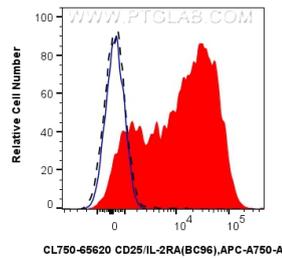
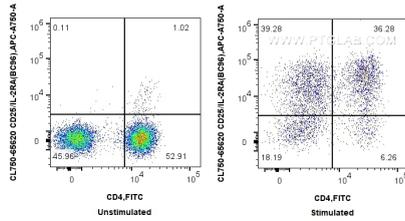
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD4 5 ul CoraLite® Plus 750 Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a RecAb (CL750-65620, Clone: BC96). Cells were not fixed.

1x10⁶ PHA-treated human PBMCs were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a RecAb (CL750-65620, Clone: BC96) (red) or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD25/IL-2RA (BC96) Mouse IgG2a RecAb (CL750-65620, Clone: BC96) (black, dashed). Cells were not