

For Research Use Only

CoraLite® Plus 405 Anti-Mouse CD25/IL-2RA Rabbit Recombinant Antibody

Catalog Number: CL405-98288



Basic Information

Catalog Number: CL405-98288	GenBank Accession Number: NM_008367.3	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 16184	CloneNo.: 242494H5
Source: Rabbit	UNIPROT ID: P01590	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 2 receptor, alpha chain	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Immunogen Catalog Number: EG3087	Calculated MW: 31 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : anti-CD3/CD28 treated mouse splenocytes,
Species Specificity: mouse	

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:

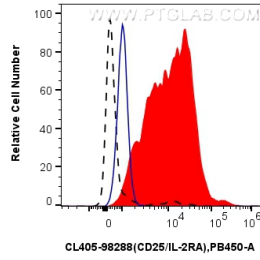
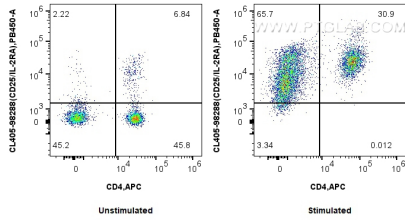
T: 4006900926

E: Proteintech-CN@ptglab.com

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



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were stained with APC Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 405 Anti-Mouse CD25/IL-2RA Rabbit RecAb (CL405-98288, Clone: 242494H5). Cells were not fixed.

1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD25/IL-2RA Rabbit RecAb (CL405-98288, Clone: 242494H5) (red) or CoraLite® Plus 405 Rabbit IgG Isotype Control RecAb (CL405-98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD25/IL-2RA Rabbit RecAb (CL405-98288, Clone: 242494H5) (black dashed). Cells were not