

For Research Use Only

Anti-Mouse CD25/IL-2RA Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98288-1-PBS



Basic Information

Catalog Number: 98288-1-PBS	GenBank Accession Number: NM_008367.3	Purification Method: Protein A purification
Size: 1mg , 2 mg/ml	GeneID (NCBI): 16184	CloneNo.: 242494H5
Source: Rabbit	UNIPROT ID: P01590	
Isotype: IgG	Full Name: interleukin 2 receptor, alpha chain	
Immunogen Catalog Number: EG3087	Calculated MW: 31 kDa	

Applications

Tested Applications:
FC

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).

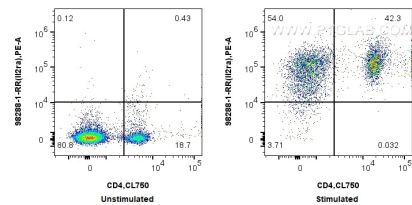
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

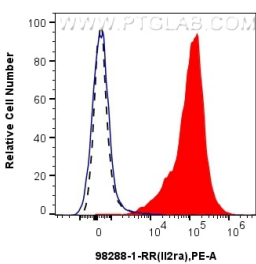
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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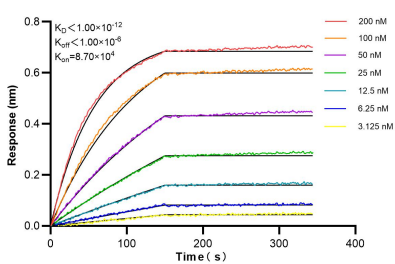
Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD25/IL-2RA Rabbit RecAb (98288-1-RR, Clone: 242494H5) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 750 Anti-Mouse CD4 (GK1.5) (CL750-65104, Clone: GK1.5). Cells were not fixed. This data was developed using the same antibody clone with 98288-1-PBS in a different storage buffer formulation.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD25/IL-2RA Rabbit RecAb (98288-1-RR, Clone: 242494H5) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD25/IL-2RA Rabbit RecAb (98288-1-RR, Clone: 242494H5) (black, dashed) and PE-



Biological layer interferometry (BLI) kinetic assays of 98288-1-RR against Mouse CD25/IL-2RA were performed. The affinity constant is below 1 pM.