

For Research Use Only

Anti-Human IL-2RG/CD132 Rabbit Recombinant Antibody

Catalog Number: 98234-1-RR



Basic Information

Catalog Number: 98234-1-RR	GenBank Accession Number: NM_000206.3	Purification Method: Protein A purification
Size: 100ug, 1000 ug/ml	GeneID (NCBI): 3561	CloneNo.: 242020H6
Source: Rabbit	UNIPROT ID: P31785-1	
Isotype: IgG	Full Name: interleukin 2 receptor, gamma (severe combined immunodeficiency)	
	Calculated MW: NM_000206.3	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

The interleukin-2 receptor (IL-2R) is a heterotrimeric receptor consisting of three subunits, alpha (IL-2RA), beta (IL-2RB), and gamma (IL-2RG). IL-2RG, also known as CD132, is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in the gene of IL-2RG cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder.

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

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

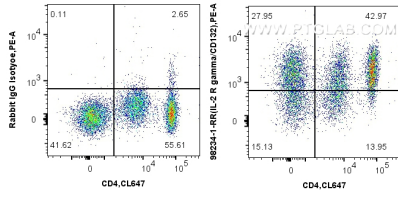
T: 4006900926

E: Proteintech-CN@ptglab.com

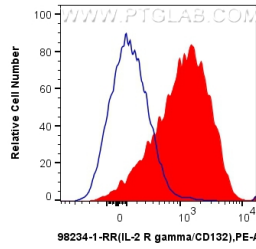
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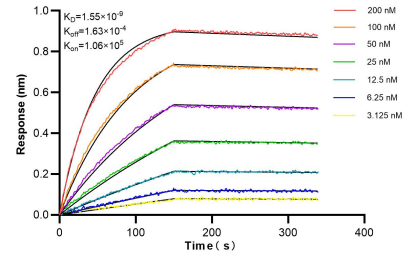
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human IL-2RG/CD132 Rabbit Recombinant Antibody (98234-1-RR, Clone: 242020H6), or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Human CD4. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human IL-2RG/CD132 Rabbit Recombinant Antibody (98234-1-RR, Clone: 242020H6)(red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98234-1-RR against Human IL-2RG/CD132 were performed. The affinity constant is 1.55 nM.