

For Research Use Only

Anti-Human CD122/IL-2RB Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98151-1-PBS



Basic Information

Catalog Number:

98151-1-PBS

Size:

1mg , 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC025691

GeneID (NCBI):

3560

ENSEMBL Gene ID:

ENSG00000100385

UNIPROT ID:

P14784

Full Name:

interleukin 2 receptor, beta

Calculated MW:

551 aa, 61 kDa

Purification Method:

Protein A purification

CloneNo.:

241677H7

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to the ability to bind interleukin 2. The low-affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. The beta subunit (IL2RB, also known as CD122 and p75) is involved in receptor-mediated endocytosis and transduces the mitogenic signals of interleukin 2.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

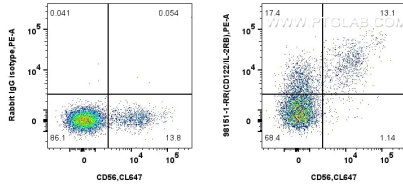
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

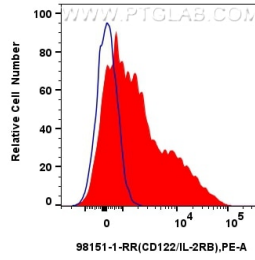
E: proteintech@ptglab.com
W: ptglab.com

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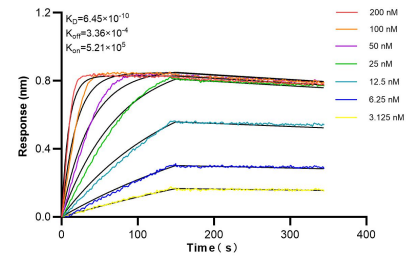
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD122/IL-2RB Rabbit Recombinant Antibody (98151-1-RR, Clone: 241677H7) or 0.25 ug 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 NCAM1/CD56 Rabbit Recombinant Antibody (CL647-98033, Clone: 240078A7). Cells were incubated with FC



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD122/IL-2RB Rabbit Recombinant Antibody (98151-1-RR, Clone: 241677H7) (red) or 0.25 ug 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. Lymphocytes were gated. This data was developed using the same antibody clone



Bi-layer interferometry (BLI) kinetic assays of 98151-1-RR against Human CD122/IL-2RB were performed. The affinity constant is 0.645 nM.