For Research Use Only

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

Catalog Number:98151-1-PBS

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Antibodies | ELISA kits | Proteins
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## Basic Information

Catalog Number:
98151-1-PBS

Concentration:
1mg, 3 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 (IL-2RB, also known as CD122 and p75) is involved in receptor-mediated endocytosis and transduces the mitogenic signals of interleukin-2.

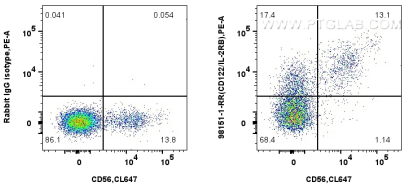
## Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

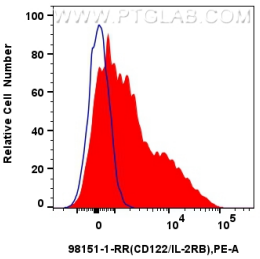
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

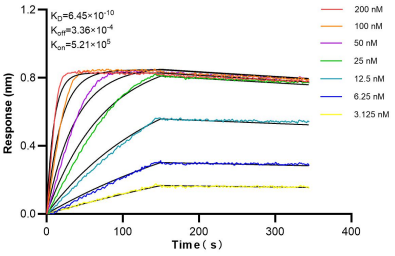
## Selected Validation Data




1x10^6 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




1x10^6 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




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