

For Research Use Only

# Anti-Human IL-4RA/CD124 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98203-1-PBS



## Basic Information

Catalog Number:

98203-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000418.4

GeneID (NCBI):

3566

UNIPROT ID:

P24394-1

Full Name:

interleukin 4 receptor

Calculated MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

241824D8

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

IL-4 receptor alpha chain (IL-4RA), also known as CD124, is a transmembrane glycoprotein expressed on a wide variety of hematopoietic and non-hematopoietic cells. It is a receptor for both IL-4 and IL-13. IL-4RA can complex with the common gamma chain (IL-2R gamma or CD132) and utilizes JAK1 and JAK2 for signal transduction, while complexes of IL-4RA with IL-13RA1 subunit mediate signals via JAK2 and Tyk2. The IL-4 response is involved in promoting Th2 differentiation. The IL-4/IL-13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation.

## 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

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

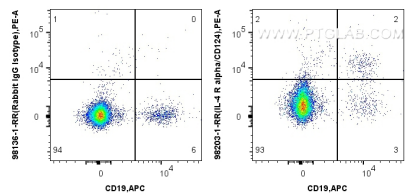
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

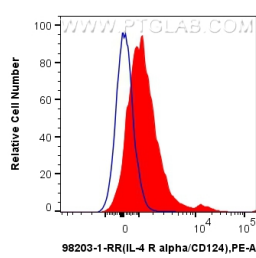
W: [ptgcn.com](http://ptgcn.com)

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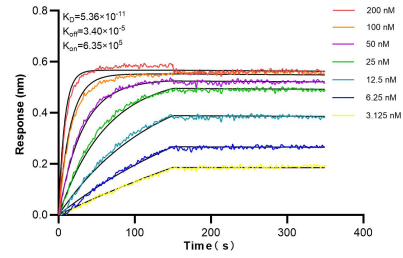
Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human IL-4RA/CD124 Rabbit Recombinant Antibody (98203-1-RR, Clone:241824D8) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 98203-1-PBS in a



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human IL-4RA/CD124 Rabbit Recombinant Antibody (98203-1-RR, Clone:241824D8) (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 not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 98203-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98203-1-RR against Human IL-4RA/CD124 were performed. The affinity constant is 53.6 pM.