

For Research Use Only

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

Catalog Number: 98276-1-PBS



Basic Information

Catalog Number:

98276-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001008700.3

GeneID (NCBI):

16190

UNIPROT ID:

P16382-1

Full Name:

interleukin 4 receptor, alpha

Calculated MW:

88 kDa

Purification Method:

Protein A purification

CloneNo.:

242262F10

Applications

Tested Applications:

FC

Species Specificity:

mouse

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.

Storage Buffer:

PBS Only

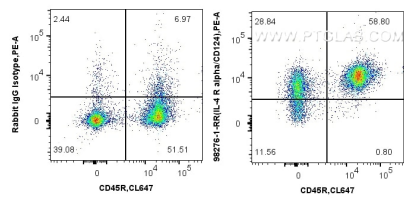
For technical support and original validation data for this product please contact:

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

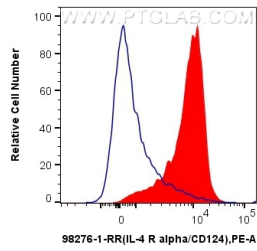
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ C57BL/6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse IL-4RA/CD124 Rabbit Recombinant Antibody (98276-1-RR, Clone: 242262F10) 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-Mouse CD45R. Cells were not fixed. This data was developed using the same antibody clone with 98276-1-PBS in a



1x10⁶ C57BL/6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse IL-4RA/CD124 Rabbit Recombinant Antibody (98276-1-RR, Clone: 242262F10) (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. This data was developed using the same antibody clone with 98276-1-PBS in a different storage buffer formulation.