

For Research Use Only

# IL-4RA/CD124 Recombinant antibody

Catalog Number: 84758-5-RR



## Basic Information

<b>Catalog Number:</b> 84758-5-RR	<b>GenBank Accession Number:</b> NM_001008700.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16190	<b>CloneNo.:</b> 242262E3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P16382-1	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 4 receptor, alpha	
<b>Immunogen Catalog Number:</b> EG2176	<b>Calculated MW:</b> 88 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : NIH/3T3 cells,
<b>Species Specificity:</b> 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

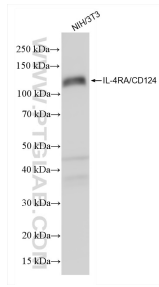
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 84758-5-RR (IL-4 R alpha/CD124 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.