

For Research Use Only

# IL-4RA/CD124 Monoclonal antibody

Catalog Number: 67051-1-Ig



## Basic Information

<b>Catalog Number:</b> 67051-1-Ig	<b>GenBank Accession Number:</b> NM_000418	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3566	<b>CloneNo.:</b> 1E4C11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P24394	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> interleukin 4 receptor	
<b>Immunogen Catalog Number:</b> AG28411	<b>Calculated MW:</b> 90 kDa	
	<b>Observed MW:</b> 120 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, Jurkat cells, MG-63 cells, SCaBER cells, HT-1376 cells, Raji cells, Ramos cells, Daudi cells, HUVEC cells
<b>Species Specificity:</b> 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

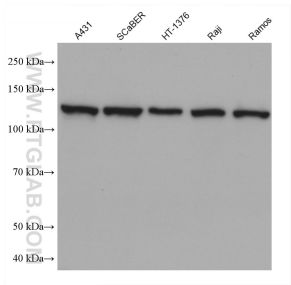
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 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



Various lysates were subjected to SDS PAGE followed by western blot with 67051-1-Ig (IL-4RA/CD124 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.