

For Research Use Only

# CoraLite® Plus 488-conjugated IL-4RA/CD124 Monoclonal antibody

Catalog Number:CL488-67051



## Basic Information

<b>Catalog Number:</b> CL488-67051	<b>GenBank Accession Number:</b> NM_000418	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3566	<b>CloneNo.:</b> 1E4C11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P24394	<b>Recommended Dilutions:</b> IF-P 1:50-1:500 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> interleukin 4 receptor	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG28411	<b>Calculated MW:</b> 90 kDa <b>Observed MW:</b> 120 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	IF-P : human tonsillitis tissue, IF/ICC : Daudi cells,

## 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

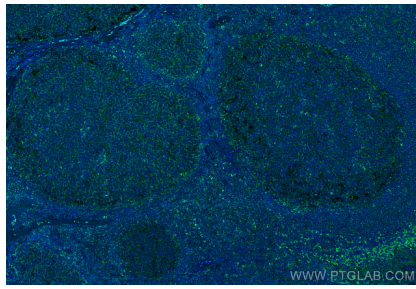
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

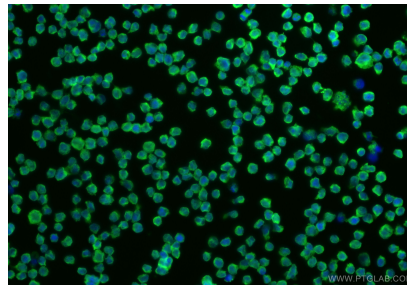
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CoraLite® Plus 488 IL-4RA/CD124 antibody (CL488-67051, Clone: 1E4C11 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Daudi cells using CoraLite® Plus 488 IL-4RA/CD124 antibody (CL488-67051, Clone: 1E4C11 ) at dilution of 1:200.