

For Research Use Only

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

Catalog Number: CL488-67051



Basic Information

Catalog Number:

CL488-67051

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28411

GenBank Accession Number:

NM_000418

GeneID (NCBI):

3566

UNIPROT ID:

P24394

Full Name:

interleukin 4 receptor

Calculated MW:

90 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

1E4C11

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human

Positive Controls:

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:

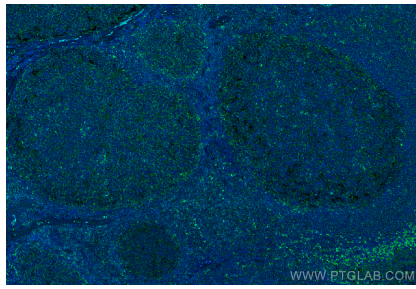
T: 4006900926

E: Proteintech-CN@ptglab.com

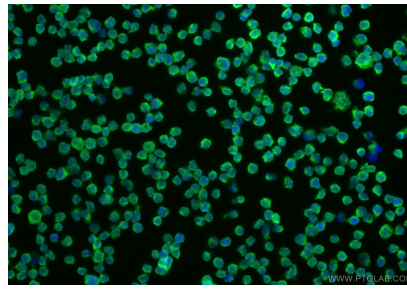
W: ptgcn.com

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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.