

For Research Use Only

# CoraLite®594-conjugated IL-4 Monoclonal antibody



Catalog Number:CL594-66142

## Basic Information

Catalog Number:

CL594-66142

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG9940

GenBank Accession Number:

BC070123

GeneID (NCBI):

3565

UNIPROT ID:

P05112

Full Name:

interleukin 4

Calculated MW:

153 aa, 17 kDa

Observed MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

1G2C5

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 also plays a pivotal role in antibody isotype switching and stimulates the production of IgE. This cytokine has been applied in the treatment of autoimmune disorder like multiple myeloma, cancer, psoriasis, and arthritis. IL4 has also been extensively applied to inhibit detrimental effect of Th1. It may promote the growth of epithelial tumors by mediating increased proliferation and survival.

## 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:

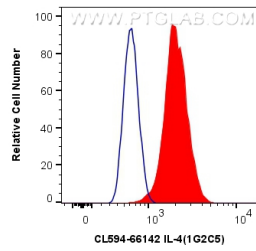
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> Ramos cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human IL-4 (CL594-66142, Clone:1G2C5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).