

For Research Use Only

# CoraLite®594 Anti-Mouse IL-4 Rabbit Recombinant Antibody

Catalog Number:CL594-98360-2



## Basic Information

Catalog Number:

CL594-98360-2

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3750

GenBank Accession Number:

BC027514

GeneID (NCBI):

16189

UNIPROT ID:

P07750

Full Name:

interleukin 4

Purification Method:

Protein A purification

CloneNo.:

242736G8

Recommended Dilutions:

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra) : PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes,

## Background Information

Interleukin-4 (IL-4), a member of the  $\alpha$ -helical cytokine family, is produced by activated CD4<sup>+</sup> T cells, basophils, and mast cells. It promotes the proliferation and differentiation of antigen-presenting cells. IL-4 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 disorders like multiple myeloma, cancer, psoriasis, and arthritis. IL-4 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. (PMID: 24489573;3049907;21663408)

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

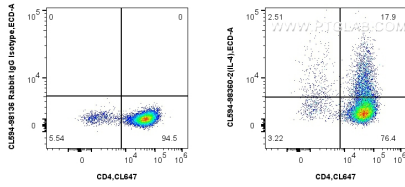
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes were intracellularly stained with CoraLite® Plus 647 Anti-Mouse CD4, and 0.25 ug CoraLite® 594 Anti-Mouse IL-4 Rabbit RecAb (CL594-98360-2, Clone: 242736G8) or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).