

For Research Use Only

# PE Anti-Human IL-4 Rabbit Recombinant Antibody

Catalog Number: PE-98138



## Basic Information

Catalog Number:

PE-98138

Concentration:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0104

GenBank Accession Number:

BC070123

GeneID (NCBI):

3565

UNIPROT ID:

P05112

Full Name:

interleukin 4

Calculated MW:

153 aa, 17 kDa

Purification Method:

Protein A purification

CloneNo.:

240794E11

Recommended Dilutions:

FC (Intra): 5 ul per  $10^6$  cells in a 100  $\mu$ l suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): PMA, Ionomycin and Brefeldin A treated human PBMCs,

## Background Information

IL-4 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. 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 disorder 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.

## 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 and 0.5% BSA, pH7.3

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

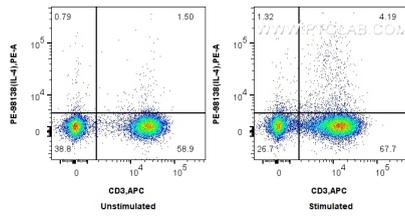
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul PE Anti-Human IL-4 Rabbit RecAb (PE-98138, Clone: 240794E11). Cells were co-stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.