

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse IL-4 (11B11)

Catalog Number: CL488-65074

1 Publications



## Basic Information

Catalog Number:

CL488-65074

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG1, kappa

GenBank Accession Number:

BC027514

GeneID (NCBI):

16189

UNIPROT ID:

P07750

Full Name:

interleukin 4

Purification Method:

Affinity purification

CloneNo.:

11B11

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Cited Applications:

FC

Species Specificity:

Mouse

## 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 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. (PMID: 24489573;3049907;21663408)

## Notable Publications

Author	Pubmed ID	Journal	Application
Pu Wang	39859511	Int J Mol Sci	FC

## 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

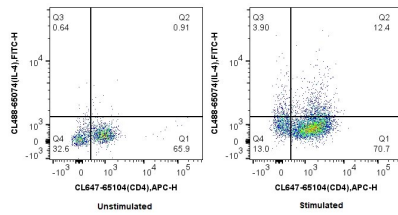
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## Selected Validation Data



1X10<sup>6</sup> unstimulated or PMA and ionomycin stimulated (in the presence of protein transport inhibitors) mouse Th2-polarized splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C), and then intracellularly stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse IL-4 (CL488-65074, Clone:11B11).