

For Research Use Only

# FITC Plus Anti-Mouse IL-4 (11B11)

Catalog Number: FITC-65074



## Basic Information

<b>Catalog Number:</b> FITC-65074	<b>GenBank Accession Number:</b> BC027514	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/mL	<b>GeneID (NCBI):</b> 16189	<b>CloneNo.:</b> 11B11
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P07750	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> interleukin 4	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Mouse

## Background Information

Interleukin-4 (IL-4), a member of the  $\alpha$ -helical cytokine family, is produced by activated CD4+ 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)

## 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.

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

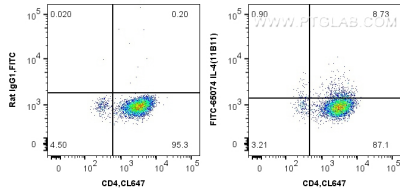
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## Selected Validation Data



1X10<sup>6</sup> PMA and ionomycin stimulated (in the presence of protein transport inhibitors) mouse Th2-polarized splenocytes were surface stained with CoraLite®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 FITC Anti-Mouse IL-4 (FITC-65074, Clone: 11B11) or Isotype Control.