

For Research Use Only

# CoraLite® Plus 555 Anti-Mouse IL-4 (11B11)



Catalog Number: **CL555-65074**

## Basic Information

Catalog Number: CL555-65074	GenBank Accession Number: BC027514	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 16189	CloneNo.: 11B11
Source: Rat	UNIPROT ID: P07750	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Isotype: IgG1, kappa	Full Name: 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<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.

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

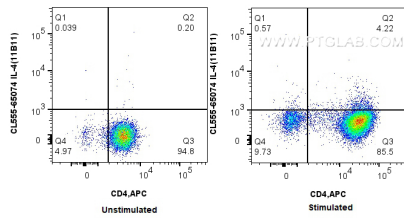
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> PMA 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 0.25 ug CoraLite® Plus 555 Anti-Mouse IL-4 (CL555-65074, Clone: 11B11).