

For Research Use Only

APC Anti-Mouse IL-4 (11B11)

Catalog Number: APC-65074



Basic Information

Catalog Number: APC-65074	GenBank Accession Number: BC027514	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 16189	CloneNo.: 11B11
Source: Rat	Full Name: interleukin 4	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1, kappa		

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Mouse

Background Information

Interleukin-4 (IL-4), a member of the α -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:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

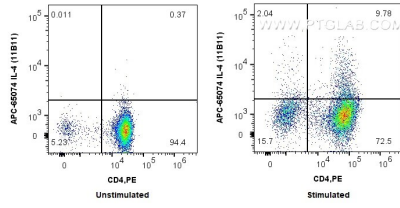
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ unstimulated or PMA and ionomycin stimulated (in the presence of protein transport inhibitors) mouse Th2-polarized splenocytes were surface stained with 0.2 ug PE Anti-Mouse CD4 (GK1.5) (PE-65104, Clone: GK1.5). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C), and then intracellularly stained with 0.5 ug APC Anti-Mouse IL-4 (APC-65074, Clone:11B11).