

For Research Use Only

PE Anti-Mouse IL-4 (11B11)

Catalog Number: **PE-65074** 1 Publications



Basic Information

Catalog Number: PE-65074	GenBank Accession Number: BC027514	Purification Method: Affinity purification
Size: 100ug , 0.1 mg/ml	GeneID (NCBI): 16189	CloneNo.: 11B11
Source: Rat	UNIPROT ID: P07750	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG1, kappa	Full Name: interleukin 4	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Mouse

Cited Species:
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)

Notable Publications

Author	Pubmed ID	Journal	Application
Li-Ren Wu	37597673	J Ethnopharmacol	FC

Storage

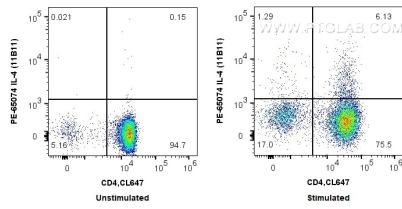
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.

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) Th2-polarized splenocytes were surface stained 0.2 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C), and then intracellularly stained with 0.125 ug PE Anti-Mouse IL-4 (PE-65074, Clone: 11B11).