

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 | Full Name: interleukin 4 | Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm |
| Isotype: IgG1, kappa | | |

Applications

Tested Applications:
FC

Cited Applications:
FC

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

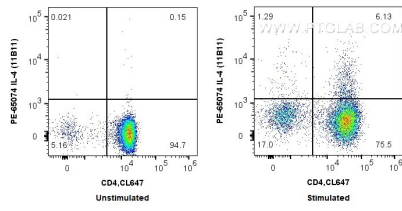
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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).