

For Research Use Only

CoraLite® Plus 488-conjugated IL-4 Monoclonal antibody



Catalog Number: CL488-66142

Basic Information

Catalog Number: CL488-66142	GenBank Accession Number: BC070123	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3565	CloneNo.: 1G2C5
Source: Mouse	UNIPROT ID: P05112	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a	Full Name: interleukin 4	
Immunogen Catalog Number: AG9940	Calculated MW: 153 aa, 17 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 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. IL4 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.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

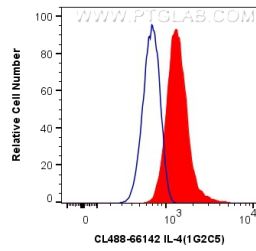
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Ramos cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human IL-4 (CL488-66142, Clone:1G2C5) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).