

For Research Use Only

CoraLite® Plus 594 Anti-Mouse IL-17A Rabbit Recombinant Antibody



Catalog Number: CL594-98005

Basic Information

Catalog Number: CL594-98005	GenBank Accession Number: NM-010552	Purification Method: Protein A purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 16171	CloneNo.: 230038C7
Source: Rabbit	UNIPROT ID: Q62386	Excitation/Emission maxima wavelengths: 594 nm / 615 nm
Isotype: IgG	Full Name: interleukin 17A	
	Calculated MW: 17 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Background Information

IL-17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased.

Storage

Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.09% sodium azide.

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

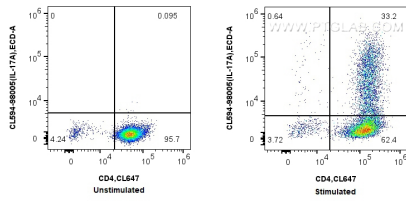
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ unstimulated or PMA, Ionomycin and Brefeldin A stimulated C57BL/6 Th17-polarized splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 594 Anti-Mouse IL-17A Rabbit Recombinant Antibody (CL594-98005, Clone: 230038C7) and CoraLite® Plus 647 Anti-Mouse CD4. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).