

For Research Use Only

CoraLite® Plus 647 Anti-Mouse IL-17A Rabbit Recombinant Antibody

Catalog Number: CL647-98005



Basic Information

Catalog Number:

CL647-98005

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM-010552

GeneID (NCBI):

16171

UNIPROT ID:

Q62386

Full Name:

interleukin 17A

Calculated MW:

17 kDa

Purification Method:

Protein A purification

CloneNo.:

230038C7

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

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

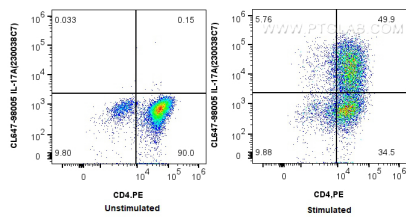
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ unstimulated or PMA and ionomycin stimulated (in the presence of protein transport inhibitors) Th17-polarized splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-17A Rabbit Recombinant Antibody (CL647-98005, Clone: 230038C7), and 0.25 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).