

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse IL-17A Rabbit Recombinant Antibody

Catalog Number:CL488-98005



## Basic Information

**Catalog Number:**

CL488-98005

**Size:**

100ug , 500 µg/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:**

493 nm / 522 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.

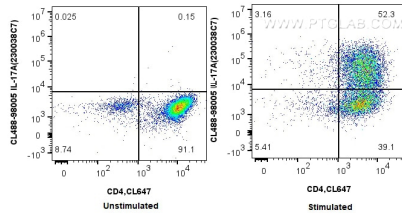
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> 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 488 Anti-Mouse IL-17A Rabbit Recombinant Antibody (CL488-98005, Clone: 230038C7), and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).