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

Catalog Number: CL594-98005

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-98005

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:
588 nm / 604 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℃. Avoid exposure to light. Stable for one year after shipment.
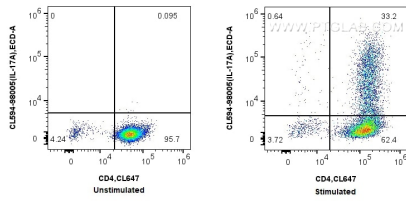**Storage Buffer:**
PBS with 0.09% sodium azide.

Selected Validation Data

1x10^6 unstimulated or PMA, Ionomycin and Brefeldin A stimulated C57BL/6 Th17-polarized splenocytes were intracellularly stained with 0.25 ug CoraLite®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).