

For Research Use Only

# FcZero-rAb™ APC Anti-Mouse IL-17A Rabbit Recombinant Antibody

Catalog Number: APC-FcA98005



## Basic Information

<b>Catalog Number:</b> APC-FcA98005	<b>GenBank Accession Number:</b> NM-010552	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 200 ug/ml	<b>GeneID (NCBI):</b> 16171	<b>CloneNo.:</b> 230038C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q62386	<b>Recommended Dilutions:</b> FC (Intra): 0.1 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 17A	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<b>Immunogen Catalog Number:</b> EG0624	<b>Calculated MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra) : PMA and ionomycin treated C57BL/6 Th17-polarized splenocytes,
<b>Species Specificity:</b> 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 and 0.5% BSA, pH7.3

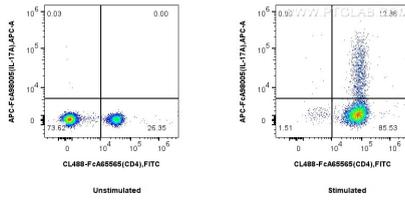
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA and ionomycin treated C57BL/6 Th17-polarized splenocytes were intracellularly stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD4 and 0.1 ug APC Anti-Mouse IL-17A Rabbit RecAb (APC-FcA98005, Clone:230038C7). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).