

For Research Use Only

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

Catalog Number: CL647-FcA98005



Basic Information

Catalog Number: CL647-FcA98005	GenBank Accession Number: NM-010552	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 16171	CloneNo.: 230038C7
Source: Rabbit	UNIPROT ID: Q62386	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 17A	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG0624	Calculated MW: 17 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : PMA and ionomycin treated BALB/C Th17-polarized BALB/C splenocytes,
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, pH7.3

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

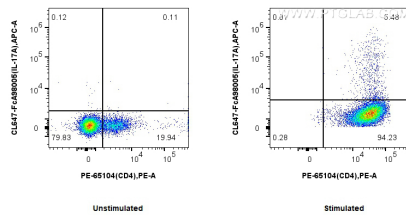
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Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated BALB/C Th17-polarized BALB/C splenocytes were intracellularly stained with PE Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-17A Rabbit RecAb (CL647-FcA98005, Clone:230038C7). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.