

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

Catalog Number: **CL488-98019**

Basic Information

Catalog Number:

CL488-98019

Size:

100ug, 500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_145856.2

GeneID (NCBI):

257630

UNIPROT ID:

Q7TNI7-1

Full Name:

interleukin 17F

Calculated MW:

17KD

Purification Method:

Protein A purification

CloneNo.:

230026G6

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Background Information

The interleukin 17 (IL-17) family of cytokines contains 6 structurally related cytokines, IL-17A, IL-17B, IL-17C, IL-17D, IL-17E and IL-17F. IL-17 family plays crucial roles in host defense against microbial organisms and in the development of inflammatory diseases. IL-17A is a pro-inflammatory cytokine that also has the capacity to promote angiogenesis and osteoclastogenesis. IL-17F shares the highest homology with IL-17A and signals via a receptor composed by the IL-17RA and IL-17RC subunits. IL-17A and IL-17F can form IL-17A/A or IL-17F/F homodimers, IL-17A/F heterodimers are also formed. IL-17A and IL-17F, produced by the Th17 CD4(+) T cell lineage, have been linked to a variety of inflammatory and autoimmune conditions. IL-17F levels are elevated in sera and lesional psoriatic skin compared to non-lesional tissue. IL-17F also has been implicated in the development of neutrophilic airway inflammation.

Storage

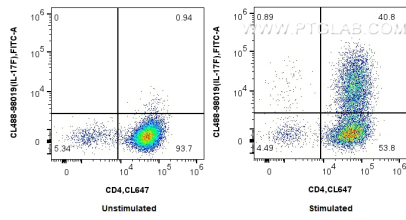
Storage:

Store at 2-8°C. Avoid exposure to light.

Storage Buffer:

PBS with 0.09% sodium azide.

Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 Th17-polarized splenocytes were intracellularly stained with 0.25ug CoraLite® Plus 488 Anti-Mouse IL-17F Rabbit Recombinant Antibody (CL488-98019, Clone:230026G6). Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD4. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).