

For Research Use Only

CoraLite® Plus 405 Anti-Mouse IL-17F Rabbit Recombinant Antibody

Catalog Number: CL405-98019



Basic Information

Catalog Number:

CL405-98019

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0671

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

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in

100 µL suspension

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra) : PMA, Ionomycin and Brefeldin A treated

C57BL/6 Th17-polarized splenocytes,

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. 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:

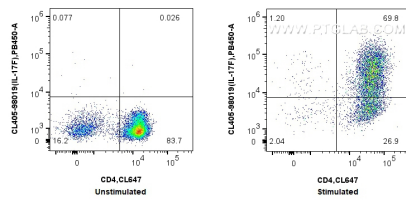
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 Th17-polarized splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse IL-17F Rabbit Recombinant Antibody (CL405-98019, Clone: 230026G6) and CoraLite® Plus 647 Anti-Mouse CD4. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.