

For Research Use Only

Anti-Mouse IL-17F Rabbit Recombinant Antibody



Catalog Number: 98019-1-RR

Basic Information

Catalog Number: 98019-1-RR	GenBank Accession Number: NM_145856.2	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 257630	CloneNo.: 230026G6
Source: Rabbit	UNIPROT ID: Q7TNI7-1	
Isotype: IgG	Full Name: interleukin 17F	
	Calculated MW: 17KD	

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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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

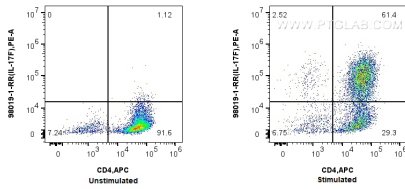
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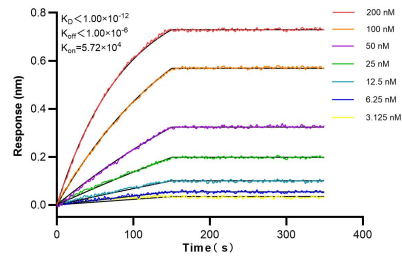
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Selected Validation Data



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



Biolayer interferometry (BLI) kinetic assays of 98019-1-RR against Mouse IL-17F were performed. The affinity constant is below 1 pM.