

For Research Use Only

Anti-Mouse IL-17A Rabbit Recombinant Antibody

Catalog Number: 98005-1-RR



Basic Information

Catalog Number: 98005-1-RR	GenBank Accession Number: NM-010552	Purification Method: Protein A purification
Size: 100ug, 1 mg/ml	GeneID (NCBI): 16171	CloneNo.: 230038C7
Source: Rabbit	UNIPROT ID: Q62386	
Isotype: IgG	Full Name: interleukin 17A	
	Calculated MW: 17 kDa	

Applications

Tested Applications:
FC (Intra)

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

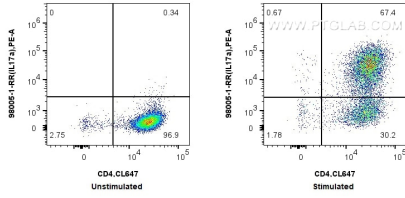
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

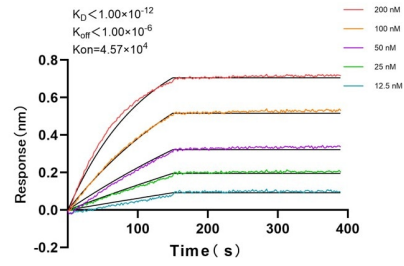
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1×10^6 unstimulated or PMA and ionomycin stimulated (in the presence of protein transport inhibitors) Th17-polarized splenocytes were intracellularly stained with 0.25 μ g Anti-Mouse IL-17A (98005-1-RR, Clone: 230038C7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:700, and 0.06 μ g CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-



Biolayer interferometry (BLI) kinetic assays of 98005-1-RR against Mouse IL-17A were performed. The affinity constant is below 1 pM.