

For Research Use Only

Anti-Rat IL-17A Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98564-1-PBS



Basic Information

Catalog Number:	98564-1-PBS	GenBank Accession Number:	Purification Method:
Concentration:	1mg, 3 mg/ml	GeneID (NCBI):	Protein A purification
Source:	Rabbit	301289	CloneNo.:
Isotype:	IgG	UNIPROT ID:	250413G7
Immunogen Catalog Number:	EG3339	Q61453	
		Full Name:	
		similar to Interleukin-17 precursor (IL-17) (Cytotoxic T lymphocyte-associated antigen 8) (CTLA-8)	
		Calculated MW:	
		17kDa	

Applications

Tested Applications:
FC (Intra)
Species Specificity:
rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

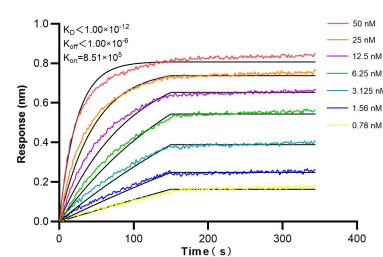
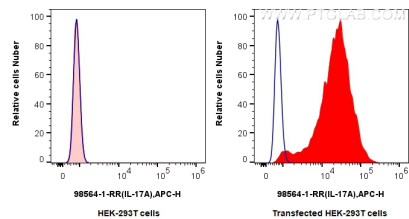
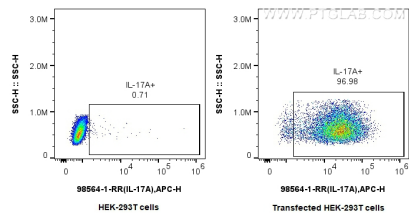
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ HEK-293T cells (left) or IL-17A transfected HEK-293T cells (right) were intracellularly stained with 0.25 ug Anti-Rat IL-17A Rabbit RecAb (98564-1-RR, Clone: 250413G7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using the same antibody clone with 98564-1-PBS in a different storage



1x10⁶ HEK-293T cells (left) and IL-17A transfected HEK-293T cells (right) were intracellularly stained with 0.25 ug Anti-Rat IL-17A Rabbit RecAb (98564-1-RR, Clone: 250413G7) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This



Biolayer interferometry (BLI) kinetic assays of 98564-1-RR against Rat IL-17A were performed. The affinity constant is below 1 pM.