

For Research Use Only

Mouse IL-17A Recombinant antibody, PBS Only



Catalog Number: 82905-1-PBS

Basic Information

Catalog Number: 82905-1-PBS	GenBank Accession Number: NM-010552	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 16171	CloneNo.: 230038B1
Source: Rabbit	UNIPROT ID: Q62386	
Isotype: IgG	Full Name: interleukin 17A	
	Calculated MW: 17 kDa	
	Observed MW: 14 kDa, 17 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse

Background Information

IL17A, 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

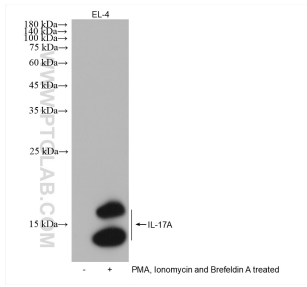
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

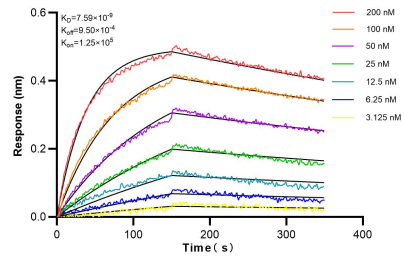
For technical support and original validation data for this product please contact:
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Selected Validation Data



PMA, Ionomycin and Brefeldin A treated EL-4 cells were subjected to SDS PAGE followed by western blot with 82905-1-RR (IL-17A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82905-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82905-1-RR against Mouse IL-17A were performed. The affinity constant is 7.59 nM.