

For Research Use Only

# IL-17A Recombinant antibody

Catalog Number: 82905-1-RR



## Basic Information

### Catalog Number:

82905-1-RR

### Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM-010552

### GeneID (NCBI):

16171

### UNIPROT ID:

Q62386

### Full Name:

interleukin 17A

### Calculated MW:

17 kDa

### Observed MW:

14 kDa, 17 kDa

### Purification Method:

Protein A purification

### CloneNo.:

230038B1

### Recommended Dilutions:

WB 1:1000-1:5000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

mouse

### Positive Controls:

WB : PMA, Ionomycin and Brefeldin A treated EL-4 cells,

## 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 -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

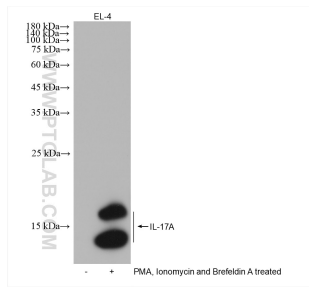
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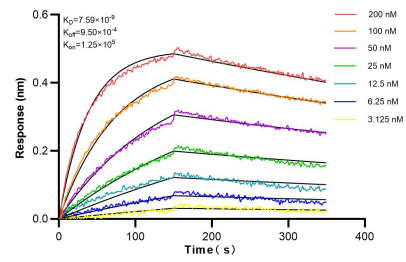
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## Selected Validation Data



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.



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