

## IL17A

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:200 - 1:500 IHC 1:100 - 1:200 IF 1:20 - 1:50

**Calculated MW:** 18kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human IL17A

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

b

**Synonym:**

IL17A;CTLA8;IL-17;IL-17A;IL17 ;

**Catalog #:** A0688

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 3605

**Isotype:** IgG

**Swiss Prot:** Q16552

**Purity:** Affinity purification

For research use only.

**Background:**

IL-17A is a cystine-linked homodimeric pro-inflammatory cytokine produced by Th17 cells, a distinct CD4+ T cell lineage (1,2). IL-17A stimulates the production of the pro-inflammatory cytokines IL-1, TNF-, and IL-6. IL-17A also induces production of the neutrophil chemoattractants IL-8, CXCL1, and CXCL6 thereby bridging adaptive and innate immunity (1,2). IL-17A is intimately involved in mucosal immunity against bacterial infections (1,3) and has a putative role in some autoimmune disorders (1,4). IL-17A effects appear to be exerted primarily through binding to the IL-17RA (5). IL-17A binding induces production of cytokines, chemokines and other proteins through activation of the Erk1/2 MAP kinase, PI3K/Akt, p38, and NF-B pathways (3,4, 6). Phosphorylation of some Jaks and Stats has been observed.

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