

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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