



IL-17A monoclonal antibody

Catalog: MB65815

Host: Mouse

Reactivity: Human

BackGround:

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

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 17 kDa

Swiss-Prot:

Q16552

Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human IL-17A

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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