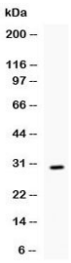
IL17 Antibody (R30121)

Catalog No.	Formulation	Size
R30121	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 0.025% sodium azide
UniProt	Q62386
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested)
Limitations	This IL17 antibody is available for research use only.



Western blot testing of recombinant mouse IL17 protein (0.5ng/lane) + tag with IL17 antibody at 0.5ug/ml. Predicted molecular weight of native protein: 15-20 kDa (monomer), 30-40 kDa (homodimer), depending on glycosylation level.

Description

IL-17 (Interleukin-17), originally identified as a transcript from a rodent T-cell hybridoma by Rouvier et al. in 1993, is the founding member of a group of cytokines called the IL-17 family. Known as CTLA8 in rodents, IL-17 shows high homology to viral IL-17 encoded by an open reading frame of the T-lymphotropic rhadinovirus Herpesvirus saimiri. Mouse IL-17 shares 85% amino acid sequence homology with rat. Interleukin 17 is a cytokine that acts as a potent mediator in delayed-type reactions by increasing chemokine production in various tissues to recruit monocytes and neutrophils to the site of inflammation, similar to Interferon gamma. IL-17 is produced by T-helper cells and is induced by ILÂ–23 which results in

destructive tissue damage in delayed-type reactions. Interleukin 17 as a family functions as a proinflammatory cytokine that responds to the invasion of the immune system by extracellular pathogens and induces destruction of the pathogen's cellular matrix. Interleukin 17 acts synergistically with tumor necrosis factor and interleukin-1. To elicit its functions, IL-17 binds to a type I cell surface receptor called IL-17R of which there are at least three variants IL17RA, IL17RB, and IL17RC.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL17 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A partial recombinant protein (AA 26-158) from mouse IL-17A was used as the immunogen for this IL17 antibody.

Storage

After reconstitution, the IL17 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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