

Datasheet for ABIN7320461 **IL-17 Protein**

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Overview

Quantity:	100 µg
Target:	IL-17 (IL17)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Mouse Interleukin-17/IL-17 Protein (Active)
Sequence:	Thr 22-Ala158
Characteristics:	A DNA sequence encoding the mature form of mouse IL17a (Q62386) (Thr 22-Ala158) was expressed and purified.
Purity:	> 97 % as determined by SDS-PAGE
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA. 2. Immobilized recombinant mouse IL17a at 10 µg/mL (100 µl/well) can bind human IL17Ra-Fc2h with a linear range of 16-500 ng/mL.

Target Details

Target:	IL-17 (IL17)
Alternative Name:	Interleukin-17/IL-17 (IL17 Products)
Background:	Background: IL17, also known as IL17a, is a cytokine belongs to the IL-17 family. Cytokines are

Target Details

proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Cytokines are synthesized under various stimuli by a variety of cells of both the innate (monocytes, macrophages, dendritic cells) and adaptive (T- and B-cells) immune systems. The IL-17 family of cytokines includes six members, IL-17/IL-17A, IL-17B, IL-17C, IL-17D, IL-17E/IL-25, and IL-17F, which are produced by multiple cell types. IL-17 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 IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

Synonym: CtlA-8,Ctla8,IL-17,IL-17A,Il17

Molecular Weight: 15.5 kDa

UniProt: [Q62386](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.