

Datasheet for ABIN7320557
Interleukin 17a Protein (His tag)

2 Images

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Overview

Quantity:	50 µg
Target:	Interleukin 17a (IL17A)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Interleukin 17a protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IL-17A Protein (His Tag)(Active)
Sequence:	Thr22-Ala158
Characteristics:	Recombinant Mouse Interleukin-17A is produced by our Mammalian expression system and the target gene encoding Thr22-Ala158 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 0.25-1.25 ng/ml.

Target Details

Target:	Interleukin 17a (IL17A)
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Target Details

Alternative Name: IL-17A ([IL17A Products](#))

Background: Interleukin-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. Mature mouse IL-17A shares 61 % and 89 % amino acid sequence identity with human and rat IL-17A, respectively. As IL-17 shares properties with IL-1 and TNF-alpha, it may induce joint inflammation and bone and cartilage destruction. This cytokine is found in synovial fluids of patients with rheumatoid arthritis, and produced by rheumatoid arthritis synovium. It increases IL-6 production, induces collagen degradation and decreases collagen synthesis by synovium and cartilage and proteoglycan synthesis in cartilage. IL-17 is also able to increase bone destruction and reduce its formation. Blocking of interleukin-17 with specific inhibitors provides a protective inhibition of cartilage and bone degradation.

Synonym: Interleukin-17A, IL-17, IL-17A, Cytotoxic T-Lymphocyte-Associated Antigen 8, CTLA-8, IL17A, CTLA8, IL17

Molecular Weight: 16.2 kDa

UniProt: [Q62386](#)

Application Details

Restrictions: For Research Use only

Handling

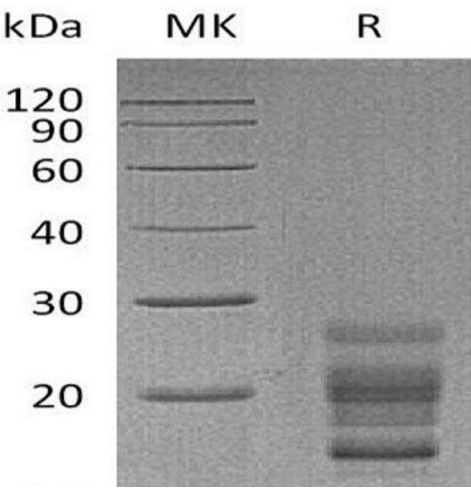
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

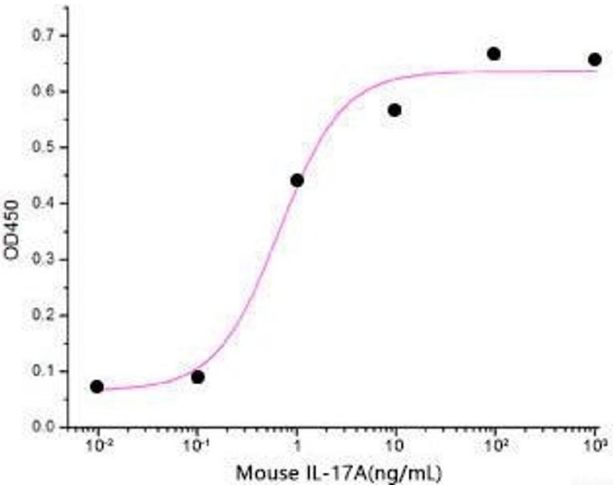
Storage: 4 °C, -20 °C, -80 °C

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.



Western Blotting

Image 1.



ELISA

Image 2.