

## 32-7947: Recombinant Mouse IL-17A(Discontinued)

**Gene :** Il17a  
**Gene ID :** 16171  
**Uniprot ID :** Q62386

### Description

Source: Human Cells.  
MW :16.2kD.

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. 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.

### Product Info

**Amount :** 17A / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** NQGSVAGSCSCDRTISSGTQIPQGTLDHIRKYLKAFHRCPPFFIRFQLQSKSVCGGSQDQWVRELVDCFERKEC  
GTGHGKSFHHQKHLQPASTQTPEAAEGTPSDTSTPAHSQSTQHSTLPSGALSLNKEHTQPWEMTTLPSTGYGL  
EARPEAEANEKQDDRQEQEAPGAGASTPAWVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.