

## 32-12182: Human Interleukin-17A

**Gene :** IL17A  
**Gene ID :** 3605  
**Uniprot ID :** Q16552  
**Alternative Name :** CTLA8, IL17, Cytotoxic T-lymphocyte-associated antigen 8

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Dimer, 15.7/31.3 kDa (137/274 aa)

Interleukin 17A (IL-17A), also known as CTLA-8, is a member of the IL-17 family of proteins. IL-17A is a proinflammatory cytokine that is secreted by activated CD4+ and CD8+ T lymphocytes. IL-17A acts through its receptor, IL-17R, to promote increased cytokine and chemokine secretion. In turn, the cytokines and chemokines mediate the immunoregulatory function of IL-17A by promoting the proliferation, maturation, and chemoattraction of neutrophils to inflammatory sites. Elevated levels of IL-17A are associated with rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer, and multiple sclerosis. Human, mouse, and rat IL-17A show activity on mouse cells.

### Product Info

**Amount :** 25 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MIVKAGITIP RNP GCPNSED KNFPRTVMVN LNIHNRNTNT NPKRSSDYNN RSTSPWNLHR  
NEDPERYPSV IWEAKCRHLG CINADGNVDY HMNSVPIQQE ILVLRREPPH CPNSFRLEKI  
LVSVGCTCVT PIVHVA

### Application Note

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

Biological Activity was determined by Production of IL-6 from mouse 3T3 cells at <= 10 ng/mL; >= 1.0 x 10<sup>5</sup> units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialled to compensate for this loss.



