

## 32-1480: rIL 17 Recombinant Protein

**Alternative Name :** CTLA-8,IL-17,IL-17A,Cytotoxic T-lymphocyte-associated antigen 8,Interleukin-17A.

### Description

Source : Escherichia Coli. Interleukin-17A Rat Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain having a molecular mass of 30 kDa. The IL-17A Rat is purified by proprietary chromatographic techniques. IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 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.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	Lyophilized from a concentrated (1mg/ml) solution containing 10mM NaCitrate, pH-3.0.
<b>Storage condition :</b>	Lyophilized Interleukin Rat 17A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rat IL17 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MAVLIPQSSV CPNAEANNFL QNVKVNKVL NSLSSKASSR RPSDYLNRSST SPWTLSRNEP DRYPSVIWE AQCRHQRCVN AEGKLDHMM SVLIQQEILV LKREPEKCPF TFRVEKMLVG VGCTCVSSIV RHAS.

### Application Note

It is recommended to reconstitute the lyophilized Interleukin Rat 17A in sterile 18M<sup>2</sup>-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by dose-dependent induction of IL-6 by mouse NIH 3T3 fibroblasts is 0.44-0.66ng/ml.