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## 32-1465: IL 17A Recombinant Protein

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

## **Description**

Source: Escherichia Coli. Interleukin-17A Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 264 amino acids (2 chains of 132 aa) and having a molecular mass of 31kDa. The IL-17 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**

**Amount:** 25 μg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

Content: Sterile filtered lyophilized (freeze-dried) powder, with 20mM Citrate, 0.1M NaCl, pH4.5.

Lyophilized Interleukin 17A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL17 should be stored at 4°C between 2-7 days and

Storage condition:

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.

## **Application Note**

It is recommended to reconstitute the lyophilized Interleukin 17 in sterile  $18M\Omega$ -cm H2O not less than  $100\mu g/ml$ , which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependent induction of IL-6 in Hs68 cell line was found to be approximately 2ng/ml corresponding to a Specific Activity of 500,000lU/mg.

