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**Product Data Sheet**

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Product Name: IL 17 Human  
Cat. No.: GP20580  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CTLA-8; IL-17; IL-17A; Cytotoxic T-lymphocyte-associated antigen 8.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin 17 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Sterile filtered lyophilized (freeze-dried) powder, with 20mM Citrate, 0.1M NaCl, pH4.5.		

**Introduction**

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.

**Biological Activity**

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 500,000IU/mg.

**Stability**

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 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

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.

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