

## IL 17 Human, HEK

**Description:** IL-17 Human Recombinant produced in HEK cells is a glycosylated homodimer, having a molecular weight range of 30-35kDa due to glycosylation. The IL-17 is purified by proprietary chromatographic techniques.

**Catalog #:** CYPs-109

For research use only.

**Synonyms:** CTLA-8, IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8.

**Source:** HEK.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:** Greater than 95% as observed by SDS-PAGE.

**Formulation:**

The IL17 was lyophilized from 1mg/ml in 1xPBS.

**Stability:**

Lyophilized IL-17 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.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized IL-17 in sterile water not less than 100

**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 specific activity was determined by the dose-dependent induction of IL-6 secretion from NDHF Adult fibroblasts and is typically 5-25ng/ml.

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