

**Animal-Free Recombinant Human IL-17 (IL-17A)**  
**Catalog # PBG10522****Specification**

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**Animal-Free Recombinant Human IL-17 (IL-17A) - Product Information****Animal-Free Recombinant Human IL-17 (IL-17A) - Additional Information****Description**

The originally described IL-17 protein, now known as IL-17A, is a homodimer of two 136 amino acid chains, secreted by activated T-cells that act on stromal cells to induce production of proinflammatory and hematopoietic bioactive molecules. Today, IL-17 represents a family of structurally-related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17A exhibits cross-species bioactivity between human and murine cells. Recombinant human IL-17A is a 31.3 kDa disulfide-linked homodimer of two 137 amino acid polypeptide chains.

**Biological Activity**

**Assay #1:** The **ED<sub>50</sub>** as determined by the dose-dependent induction of IL-6 in primary human foreskin fibroblasts was found to be approximately 2 ng/ml.   
**Assay #2:** Measured by its ability to induce IL-6 production by NHDF cells.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Animal-Free Recombinant Human IL-17 (IL-17A) is for research use only and not for use in diagnostic or therapeutic procedures.

**Animal-Free Recombinant Human IL-17 (IL-17A) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Animal-Free Recombinant Human IL-17 (IL-17A) - Images**