

**Recombinant Human IL-5**  
**Catalog # PBG10238****Specification**

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**Recombinant Human IL-5 - Product Information****Recombinant Human IL-5 - Additional Information****Description**

IL-5 is a hematopoietic growth factor that stimulates the proliferation and activation of eosinophils. Produced by mast cells, T cells, and eosinophils, IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. Elevated levels of IL-5 lead to Eosinophilia, which may result in the induction of asthma and other allergic diseases. Human and murine IL-5 is cross-species reactive. Recombinant human IL-5 is a 26.5 kDa disulfide-linked homodimeric protein containing two 116 amino acid chains.

**Biological Activity**

The  $ED_{50}$  as determined by the dose-dependent proliferation of TF-1 cells was  $\leq 0.15$  ng/ml, corresponding to a specific activity of  $\geq 6.6 \times 10^6$  units/mg.

**Authenticity**

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

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu$ g of protein ( $<1$  EU/  $\mu$ g).

**Protein Content**

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

**Storage**

-20°C

**Precautions**

Recombinant Human IL-5 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human IL-5 - 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](#)

## **Recombinant Human IL-5 - Images**