

**Recombinant Murine IL-5**  
**Catalog # PBG10239****Specification**

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**Recombinant Murine IL-5 - Product Information****Recombinant Murine 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 murine IL-5 is a 26.2 kDa disulfide-linked homodimeric protein containing two 113 amino acid chains.

**Biological Activity**

The **ED<sub>50</sub>** was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is < 2.0 ng/ml, corresponding to a specific activity of > 5 x 10<sup>5</sup> units/mg.

**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**

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

**Recombinant Murine 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 Murine IL-5 - Images**