

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

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_{50} 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 $> 5 \times 10^5$ units/mg.

Authenticity

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

Endotoxin

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

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