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Recombinant Rat IL-5
Catalog # PBG10240

Specification

Recombinant Rat IL-5 - Product Information

Recombinant Rat 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. Recombinant rat IL-5 is a 26.0 kDa disulfide-linked homodimeric protein containing two 113 amino acid chains.

BiologicalActivity
The ED₅₀ was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is < 0.5 ng/ml, corresponding to a specific activity of > 2 x 10⁶ 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 Rat IL-5 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Rat 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 Cytomety

- Cell Culture

Recombinant Rat IL-5 - Images