

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

Catalog # PBG10238

# **Specification**

#### 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 <strong>ED</strong><sub>50</sub> as determined by the dose-dependent proliferation of TF-1 cells was  $\leq 0.15$  ng/ml, corresponding to a specific activity of  $\geq 6.6$  x 10<sup>6</sup> units/mg.

## **Authenticity**

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

## **Endotoxin**

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

## **Protein Content**

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

## **Storage**

-20°C

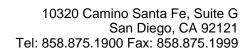
#### Precautions

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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> Recombinant Human IL-5 - Images