

## PRODUCT INFORMATION SUMMARY

### Murine IL-5

Purified Factor	Product Number	RC444520B	25.0 ug
Purified Factor	Product Number	RC444520A	5.0 ug

#### DESCRIPTION:

Mouse Interleukin-5 (IL-5) is a powerful cell growth factor with effects on proliferation of eosinophils. IL-5 is produced by mast cells, T cells, and eosinophils and induces cell-mediated immunity against certain tumors and parasitic infections. High levels of IL-5 can result in Eosinophilia and asthma / allergy. Murine IL-5 has molecular weight of 26.2 kDa, and 113 aa. residues.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Murine IL-5

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**

Half maximal activity at 2.0 ng/mL, as determined by dose dependent proliferation of human TF-1 cells corresponding to specific activity of  $5 \times 10^5$  units/mg.

#### HANDLING AND STORAGE:

Purified Murine IL-5 factor is provided lyophilized and free of additives. Store lyophilized, at  $-20^\circ \text{C}$ . Reconstitute with **distilled water** to a concentration of 100 ug/mL, then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots, **with addition of carrier protein, ie., 0.1%BSA**, at  $-20^\circ \text{C}$  for long-term storage -up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**