

# Murine IL 13

Purified Factor Product Number RC444113 10.0 ug

## DESCRIPTION:

Mouse Interleukin-13 (IL-13) is produced primarily from activated Th2 cells, mast cells and NK cells. IL-13 plays a role in the inhibition of asthma and gastrointestinal parasites. This cytokine down regulates the expression of several inflammatory cytokines, including TNF Alpha, IL-1 Beta, And Il-6. Mouse IL-13 and Human IL-13 react between species. Mouse IL-13 has molecular weight of 12.3 kDa, 111 aa. residues.

**SOURCE:** E. Coli

Purity > 98% by HPLC analysis

Endotoxin < 0.1 ng per ug mouse IL 13

## BIOLOGICAL ACTIVITY:

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

Specific activity of 4.0 ng/mL, (  $2.5 \times 10^5$  units/mg) as determined by dose dependent stimulation of TF-1 cells.

## HANDLING AND STORAGE:

Purified Murine IL 13 factor is provided sterile-filtered and lyophilized from sodium citrate 10mM, pH 4.0. Store lyophilized, at -20° C. reconstitute with **50 uL sterile or distilled water** - **NOTE: slow to dissolve**, then further dilute in PBS or other buffered solutions . Store small aliquots at -20° C for long-term storage, 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**