

## PRODUCT INFORMATION SUMMARY

### Murine IL 10

Purified Factor	Product Number	RC444110B	10.0 ug
Purified Factor	Product Number	RC444110A	2.0 ug

#### DESCRIPTION:

Mouse Interleukin-10 (IL-10) acts to inhibit inflammatory cytokines such as TNF Alpha and IL-1. This immunosuppressive factor is produced by several cell types including lymphocytes, macrophages and keratinocytes. Mouse IL-10 is a protein containing 161 a.a. residues with molecular weight of 18.7 kDa.

**SOURCE:** E.Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug IL 10

#### BIOLOGICAL ACTIVITY:

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

Specific activity of 2.0 ng/mL, ( $5 \times 10^5$  units/mg) as determined by dose dependent co-stimulation (with murine IL-4) of MC-9 cells.

#### HANDLING AND STORAGE:

Purified Murine IL 10 factor is provided sterile-filtered and lyophilized (10 mM Sodium Phosphate, pH 7.0). Store lyophilized, at -20 ° C. Quick-spin (see below) and Reconstitute with **distilled water** to a concentration of 100.0 ug/mL, then further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage - up to 3 months with **addition of carrier protein** (ie., 0.1% BSA) 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. DO NOT VORTEX.

#### 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**