

## PRODUCT INFORMATION SUMMARY

### Murine IL-6

Purified Factor	Product Number	RC444620B	10.0 ug
Purified Factor	Product Number	RC444620A	2.0 ug

#### DESCRIPTION:

Mouse Interleukin-6 (IL-6) is a powerful lymphoid cell growth factor that promotes survivability and growth of certain lymphocytes. IL-6 is involved in regulation of inflammatory responses, including B-cell differentiation, platelet production, and bone metabolism. Murine IL-6 has molecular weight of 21.7 kDa, and 187 aa. residues.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Murine IL-6

#### BIOLOGICAL ACTIVITY:

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

Specific activity of 0.02 ng/mL, as determined by dose dependent stimulation of murine 7TD1 cells corresponding to specific activity of  $5 \times 10^7$  units/mg.

**Range** of biological activity 0.1 - 10 ng/mL.

#### HANDLING AND STORAGE:

Purified Murine IL-6 factor is provided lyophilized and free of additives. Store lyophilized, at  $-20^{\circ}$  C. Reconstitute with **distilled water ONLY**, to a concentration of 100 ug/mL, then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots at  $-20^{\circ}$  C for long-term storage, (**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. (Small quantities are difficult to see in vial, and may appear as thin film).

#### 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**