

## PRODUCT INFORMATION SUMMARY

### Murine IL-22

Purified Factor	Product Number	RC444922B	10.0 ug
		RC444922A	2.0 ug

#### DESCRIPTION:

Mouse Interleukin-22 (IL-22) is produced primarily from T cells and is involved in regulation of cell-mediated immune responses, similar to IL-10. IL 22 is also known as IL-TIF and inhibits IL-4 production by Th2 cells. In addition, IL-22 enhances acute phase reactants in liver and pancreas tissue. Molecular weight of 33.4 kDa, with ( 2) 146 aa. chains composing a homodimeric protein.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug IL 22

#### BIOLOGICAL ACTIVITY:

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

Activity determined by ability to activate STAT subsequent to receptor-ligand interaction.

#### HANDLING AND STORAGE:

Purified Murine IL-22 factor is provided lyophilized from 10mM Sodium Citrate buffer ( pH 4.0). Store lyophilized, at -20 C. Reconstitute with **distilled water** to a concentration of 500 ug/mL, then further dilute in PBS or other buffered solutions (**pH 7.2**) . Store small aliquots at -20 ° C for long-term storage, with addition of carrier protein ( 0.1% BSA)at high concentration for up to 3 months.

**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**