

## PRODUCT INFORMATION SUMMARY

### Human IL-33

Purified Factor	Product Number	HC711280A	2.0 ug
		HC711280B	10.0 ug

#### DESCRIPTION:

Human Interleukin-33 (IL-33) is a pro-inflammatory cytokine related in structure and function to IL-1. IL-33 acts via the receptor IL-1R1/ST2 and stimulates production of TH2 cell cytokines such as IL-4, IL-5, and IL-13. Human IL 33 has molecular weight of 17.9 kDa with 159 aa. residues.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug IL33

**BIOLOGICAL ACTIVITY:** Dose dependent stimulation of murine D10S cells achieved half-maximal effect at 0.05 ng/mL, with specific activity of  $2 \times 10^7$  units/mg.

#### HANDLING AND STORAGE:

Purified Human IL-33 factor is provided lyophilized from 10mM Sodium Phosphate, pH 8.0. Store lyophilized, at -20° C. Can be reconstituted with **sterile or distilled water** to a concentration of 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, with **addition of 0.1% BSA**, at -20° C for long-term storage up to three 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**