

**ANTIGENIX AMERICA Inc.**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

**Human IL 13**

Purified Factor	Product Number	HC01320B	10.0 ug
		HC01320A	2.0 ug

**DESCRIPTION:**

Human Interleukin-13 (IL 13) is produced by activated T lymphocytes and acts to stimulate proliferation of B cells and immunoglobulin production. Human IL 13 also can induce differentiation of B cells and monocytes. Molecular weight of 12.5 kDa, with 114 aa. residues.

**SOURCE:** E. Coli

Purity > 98% by HPLC analysis

Endotoxin < 0.1 ng per ug IL 13

Sterile-filtered, lyophilized, additive-free in 5 mM Sodium Citrate, pH 4.0.

**BIOLOGICAL ACTIVITY:**

**Fully biologically active when compared to standards.** ED<sub>50</sub> of 1.0 ng/mL, as determined by dose dependent proliferation of human TF-1 cells.

**HANDLING AND STORAGE:**

Purified Human IL 13 factor is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **distilled water** to a concentration of 100 ug/mL, then 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**