

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

**Human IL-12**

Purified Factor	Product Number	HC01220B	10.0 ug
		HC01220A	2.0 ug

**DESCRIPTION:**

Human Interleukin-12 (IL-12) is a regulatory factor produced by activated B lymphocytes and macrophages, which acts to stimulate growth of activated CD4 and CD8 T cells and NK cells. Human IL- 12 is a heterodimeric molecule of molecular weight of 75 kDa, with 35 kDa and 40 kDa subunits.

**SOURCE:** CHO cells

Purity > 95% by SDS PAGE

Endotoxin < 0.1 ng per ug IL 12

**BIOLOGICAL ACTIVITY:**

**Fully biologically active when compared to standards.** ED<sub>50</sub> of 0.1 ng/mL, as determined by dose dependent stimulation of PHA activated human lymphoblast proliferation.

**Range** of biologic activity: 0.1 - 10 ng/mL

**HANDLING AND STORAGE:**

Purified Human IL 12 factor is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **distilled water** to a concentration of 500 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**