

PRODUCT INFORMATION SUMMARY

Human IL-12p70

(CTL maturation Factor)

| | | | |
|-----------------|----------------|----------|---------|
| Purified Factor | Product Number | HC67742B | 10.0 ug |
| | Product Number | HC67742A | 2.0 ug |

DESCRIPTION:

Human IL-12p70 (Interleukin-12,) is a cytokine involved in cell-mediated immune responses on NK cells, CD4, CD8 and Th1 lymphocytes. IL-12p70 is produced predominately by activated B cells, macrophages and mast cells.

IL-12p70 is a heterodimer with p35 and p40 sub-units with total 503 aa. MW is approx. 57.2 kDa, but the glycosylated protein shows MW of approx. 65 kDa on SDS-PAGE.

This recombinant cell-derived Human GDF-15 is a homodimeric protein with two 112 aa chains with MW of approx. 24.6 kDa.

SOURCE: HEK293 cells
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug IL-12

BIOLOGICAL ACTIVITY: Ability to drive increased IFN Gamma production by PBMC stimulated with anti-TCR antibody.

HANDLING AND STORAGE:

Purified IL-12p70 is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **sterile or distilled water** to a concentration of approx. 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C, for up to 3 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.

RESEARCH USE ONLY -NOT for DRUG USE

ANTIGENIX America Inc.