

Recombinant Human IL-12

Cat. #: SI12-010

Product Specifications

- Expression of Human Proteins in Human Cells
- Extremely Low Endotoxin Level
- High Purity
- Animal Free and Xeno Free
- Tag Free

Protein Description

IL-12 is a disulfide-linked heterodimeric protein (p70), composed of two subunits, p35 and p40, which are encoded by two different genes. IL-12 is predominantly produced by macrophages and B lymphocytes. IL-12 functions as a growth factor for activated T and NK cells, enhances the lytic activity of NK/lymphokine activated killer cells, and stimulates the production of IFN- γ by resting PBMC.

References

Oppmann B, et al. (2000) Immunity 13, 715-725.
Gubler U, et al. (1991) Proc. Natl. Acad. Sci. 8, 4143-4147.

Source: Derived from human cells

Size: 10 μ g

Shipping: Ambient temperature

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5 EU/ μ g

Molecular Weight: 57 kDa

Formulation: Lyophilized from a 0.2 μ m filtered solution in PBS without carrier protein

Activity Assay

Activity was measured by its ability to stimulate the proliferation of PHA transformed human peripheral blood lymphoblast.

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Stability and Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80° C as supplied. 1 month, 2 to 8° C under sterile conditions after reconstitution. 3 months, -20 to -80° C under sterile conditions after reconstitution.

