

Recombinant Human IL-6

Cat. #: SI6-010

Product Specifications

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

Protein Description

Human interleukin 6 (IL-6) is a 26-30 kDa glycoprotein with 183 amino acids in length. IL-6 is a pleiotropic cytokine that plays an important role in the final differentiation of B cells into Ig secreting cells. IL-6 acts on B cells, T cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is expressed by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes.

References

Yasukawa K, et al. (1987) EMBO J. 6, 2939-2945.

Garbers C, et al. (2012) Cytokine Growth Factor Rev. 23, 85.

Schwantner A, et al. (2004) J. Biol. Chem. 279(1), 571-576.

Source: Derived from human cells

Size: 10 µg

Shipping: Ambient temperature

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5 EU/µg

Molecular Weight: 26-30 kDa

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

Activity Assay

Activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).

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.

