

Recombinant Human IL-6

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| Cat. # and size: | PIL6-10 | 10 µg |
| | PIL6-100 | 100 µg |
| | PIL6-1000 | 1000 µg |

Product Specifications

- Expression of Human Proteins in Human Cells
- Extreme low Endotoxin
- High Purity
- Animal Free and Xeno Free
- Tag Free

Source: Human cells derived

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5EU/ug

Molecular Weight: 26-30kDa

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

Activity Assay

The 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 to a desired concentration.

Stability & Storage

Store in a manual defrost freezer. In general, the lyophilized protein is stable for 12 months if stored at -80°C. Reconstituted protein is stable for 4 weeks at 2 to 8°C under sterile conditions. Store the reconstituted protein in aliquots at -20°C to -80°C for up to 3 months under sterile conditions. Avoid repeated freeze-thaw cycles.

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

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

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