

Recombinant Rat Interleukin-6 (IL-6)

CATALOG #: 4145-10 10 µg
4145-50 50 µg
4145-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >90% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IL-6.

MOL. WEIGHT: 21.7 kDa

FORMULATION: Lyophilized without any additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 10 mM HCl to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at 4° for 1 week or -20°C for future use. For long-term storage, it is recommended to add a carrier protein (0.1% BSA). Prevent freeze/thaw cycles.

STORAGE CONDITIONS:

The lyophilized IL-6 is best-stored desiccated below 0°C. Reconstituted IL-6 should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. Recombinant rat IL-6 is a 21.7 kDa protein containing 187 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of the IL-6 dependent murine 7TD1 cells is ≤0.01 ng/ml, corresponding to a specific activity of ≥1 x 10⁸ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

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- Apoptosis Inducers and Set
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