

Recombinant Murine Interleukin-2 (IL-2)

CATALOG #: 4132-20 20 µg
4132-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per µg of IL-2.

MOL. WEIGHT: 17.2 kDa

FORMULATION: Lyophilized from 10 mM NaCitrate, pH 4.0

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 100 mM AcOH to a concentration of 0.1-1 µg/µl to regain full activity. The solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-2 is best-stored desiccated below 0°C. Reconstituted IL-2 should be stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% BSA). Please prevent freeze-thaw cycles.

DESCRIPTION:

Interleukin-2 (IL-2) is a potent lymphoid cell growth factor that exerts its biological activity primarily on T cells. The recombinant Murine IL-2 is a 17.2 kDa protein containing 149 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ range is 0.1-0.4 ng/ml, as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells.

USAGE: For Research Use Only. Not to be used in humans.

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