



Rat IL-2

5 µg
20 µg

130-094-121
130-094-090

Description:

Rat interleukin 2 (IL-2) is a potent lymphoid cell growth factor which exerts its biological activity primarily on T cells. Rat IL-2 is a 15.3 kDa protein containing 134 amino acid residues.

Source:	<i>E. coli</i>
Molecular mass:	15.3 kDa
Specific activity:	$\geq 2.5 \times 10^6$ U/mg
Endotoxin level:	<0.1 ng/µg (1 EU/µg)
Purity:	>98% (SDS-PAGE, HPLC)
Buffer:	Sodium citrate (10 mM, pH 4.0)
Stabilizer:	None
Product format:	Sterile filtered, lyophilized

Biological activity:

The ED₅₀ as determined by dose-dependent stimulation of the proliferation of mouse CTLL-2 cells is ≤ 0.4 ng/mL, corresponding to a specific activity of $\geq 2.5 \times 10^6$ U/mg.

Reconstitution:

We recommend a quick spin followed by reconstitution in 20 mM acetic acid to a concentration of 0.1–1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 1 week or –20 °C for future use. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Storage:

The lyophilized protein is stable for a few weeks at room temperature, but best stored at –20 °C. Reconstituted Rat IL-2 should be stored in working aliquots at –20 °C. Avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at www.miltenyibiotec.com.

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