

RECOMBINANT MOUSE INTERLEUKIN-2

CATALOG NUMBER:	IL031
LOT NUMBER:	
QUANTITY:	20 µg
DESCRIPTION:	Interleukin-2 (IL-2) is a potent lymphoid cell growth factor, which exerts its biological activity primarily on T cells. IL031 is a 17.2 kDa protein containing 149 amino acid residues.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg of IL-2 (1EU/µg).
ACTIVITY:	Chemicon's mouse IL-2 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent stimulation of mouse CTLL-2 cells is ≤ 0.2 ng/mL, corresponding to a specific activity of ≥ 5 x 10 ⁶ units /mg.
APPLICATIONS:	For most <i>in vitro</i> applications, IL-2 exerts its biological activity in the concentration range of 0.1 to 1.0 ng/mL.
PRESENTATION:	Lyophilized powder from 10 mM NaCitrate 4.0 pH.
STORAGE/HANDLING:	The lyophilized IL-2, though stable at room temperature, is best stored desiccated at -20°C. After a quick spin, reconstitute with sterile water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions or stored frozen for future use. Reconstituted IL-2 should be stored in undiluted aliquots at -20°C for up to 6 months.

For research use only; not for use as a diagnostic.