

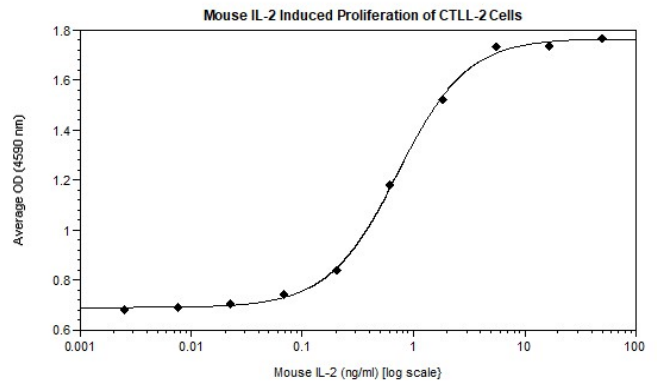
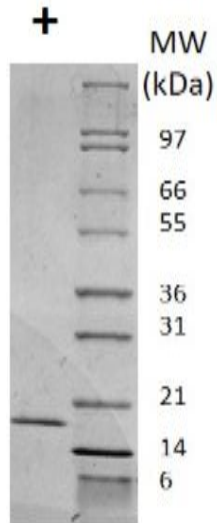
IL2

Recombinant Mouse Interleukin-2

Catalog No.	CRI145A CRI145B CRI145C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	IL-2, lymphokine, aldesleukin, T cell growth factor		
Description:	Interleukin-2 (IL-2) is an immunomodulatory cytokine that is produced by lymphocytes. IL-2 signals through the IL-2R receptor to induce activated T cell proliferation and promote T cell differentiation. IL-2 also stimulates the proliferation and differentiation of B cells, natural killer cells, monocytes, and macrophages. IL-2 plays a central role in the expansion and maintenance of regulatory T cells, although it inhibits the development of Th17 polarized cells.		
Gene ID:	16183		
UniProt ID:	P04351		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 17.4 kDa (150 aa)		
Formulation:	Lyophilized from sterile filtered aqueous solution containing 10 mM sodium citrate, pH 4.0.		
Purity:	≥95% by nonreducing and reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg, by kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 5 ng/ml, as determined by proliferation assay of murine CTLL-2 cells.		
Specific Activity:	≥ 2.0 x 10 ⁵ U/mg calibrated against recombinant mouse IL-2 WHO International Standard (NIBSC code: 93/566).		
Amino Acid Sequence:	MAPTSSSTSS STAEAQQQQQ QQQQQQHHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDTQS KSFQLEDAEN FISNIRVTVV KLKGSNTFE CQFDDESATV VDFLRRWIAF CQSIISTSPQ		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 10mM acetic acid to a concentration of 0.1 mg/mL. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Store as supplied at -20 °C to -80 °C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots containing 0.1% BSA at -20 °C to -80 °C. Avoid repeated freeze-thaw cycles.		



Figure: 1 μ g run under (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



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