

IL2

Recombinant Rat IL-2, Animal Free

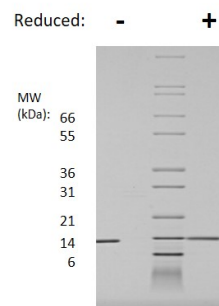
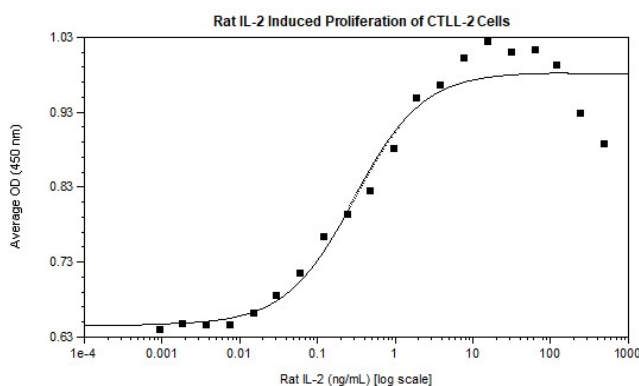
Catalog No.	CRI146A-AF CRI146B-AF CRI146C-AF	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	Interleukin-2, aldesleukin, T cell growth factor		
Description:	IL-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. It is expressed by CD4+ and CD8+ T cells, γδ T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T cell proliferation and other fundamental functions which are essential for the immune response. The receptor for IL-2 consists of three subunits (55 kDa IL2Rα, 75 kDa IL2Rβ, 64 kDa common gamma chain γc/IL2Rγ) that are present on the cell surface in varying preformed complexes.		
Gene ID:	116562		
UniProt ID:	P17108		
Source:	<i>E. coli</i>		
Molecular Weight:	15.6 kDa		
Formulation:	Lyophilized from a sterile-filtered aqueous solution containing 0.1% Trifluoroacetic acid (TFA).		
Purity:	≥ 95 % by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg of protein by kinetic LAL analysis.		
Biological Activity:	ED ₅₀ ≤ 2 ng/ml as determined by a cell proliferation assay using murine CTLL-2		
Specific Activity:	≥ 5.0 × 10 ⁵ U/mg		
Amino Acid Sequence:	MAPTSSPAKE TQQHLEQLLL DLQVLLRGID NYKNLKLPMML LTFKFYLPKQ ATELKHLQCL ENELGALQRV LDLTQSKSFH LEDAGNFISN IRVTVVKLKG SENKFECQFD DEPATVVEFL RRWIAICQSI ISTMTQ		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 10 mM HCl 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, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.

Avoid repeated freeze-thaw cycles.



Rat IL-2 Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat IL-2 has a predicted MW of 15.6 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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