

IL2

Recombinant Porcine IL-2

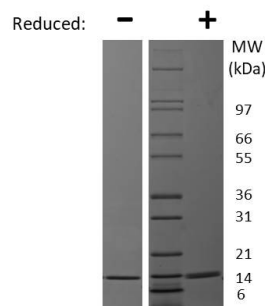
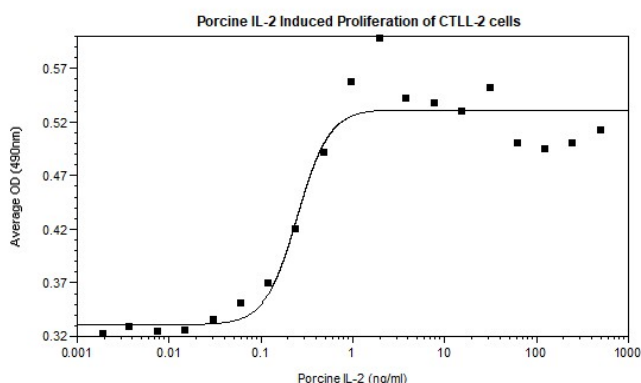
Catalog No.	CRI185A CRI185B CRI185C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Interleukin-2, aldesleukin, T cell growth factor, involved in regulation of T-cell clonal expansion		
Description:	Interleukin 2 (IL-2) is an immunomodulatory cytokine that is produced by lymphocytes. IL-2 signals through 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.		
Gene ID:	396868		
UniProt ID:	P26891		
Source:	<i>E. coli</i>		
Molecular Weight:	15.3 kDa (135 aa).		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5		
Purity:	≥95% as determined by reducing and non-reducing SDS-PAGE.		
Endotoxin Level:	< 1 EU/µg determined by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 1.0 ng/ml, determined by dose-dependent proliferation of mouse CTLL-2 cells.		
Specific Activity:	1.0 x 10 ⁶ units/ml.		
Amino Acid Sequence:	MAPTSSSTKN TKKQLEPLLL DLQLLLKEVK NYENADLSRM LTFKFYMPKQ ATELKHLQCL VEELKALEGV LNLGQSKNSD SANIKESMNN INVTVLELKG SETSFKCEYD DETVTAVEFL NKWITFCQSI YSTLT		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		



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.



Porcine IL-2 Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Porcine IL-2 is predicted to have a MW of 15.3 kDa.

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



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