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IL 2 Porcine

Interleukin-2 Porcine Recombinant
CYK0293

Product Overview

Name	IL 2 Porcine
Description	
Interleukin-2 Porcine Recombinant	
Accession (Primary)	P26891
Synonyms	
T-cell growth factor (TCGF), Interleukin-2, Lymphokine, IL-2.	
Introduction	
IL2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein (1mg/ml) was lyophilized was lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4.	
Stability	
Lyophilized IL2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
APTSSSTKNT KKQLEPLLLD LQLLLKEVKN YENADLSRML TFKFYMPKQA TELKHLQCLV EELKALEGVL NLGQSKNSDS ANIKESMNNI NVTVLELKGS ETSFKCEYDD ETVTAVEFLN KWITFCQSIY STLT.	
Biological Activity	

The ED 50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 0.5ng/ml, corresponding to a specific activity of > 2.0 × 10 6 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized IL 2 in sterile distilled H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 2 Porcine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P26891)