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IL 2 Rat

Interleukin-2 Rat Recombinant
CYK0294

Product Overview

Name	IL 2 Rat
Description	
Interleukin-2 Rat Recombinant	
Accession (Primary)	P17108
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 colorless solution.	
Formulation	
The IL-2 solution contains 0.2 µm filtered solution in 20mM PB pH3.5 and 30% Glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by SDS-PAGE and HPLC.	
Amino acid sequence	
APTSSPAKET QQHLEQLLLD LQVLLRGIDN YKNLKLPMML TFKFYLPKQA TELKHLQCLE NELGALQRVL DLTQSKSFHL EDAGNFISNI RVTVVKLKGS ENKFECQFDD EPATVVEFLR RWIAICQSII STMTQ.	
Biological Activity	
The ED 50 as determined by the dose-dependant stimulation of murine CTLL-2 cells is less than 0.2ng/ml,	

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corresponding to a Specific Activity of 5,000,000IU/mg.

References

Title :Functional Gap Junctions Facilitate Melanoma Antigen Transfer and Cross-Presentation between Human Dendritic Cells. Publication :The Journal of Immunology June 1, 2007 vol. 178 no. 11 6949-6957 Link : IL 2 Rat prospec publication

Precautions

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

Target Information: (P17108)