
Product Data Sheet

Product Name: IL 2 Mouse
Cat. No.: GP20474
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at -20°C.
Synonyms	Interleukin-2; T-cell growth factor (TCGF); Lymphokine; IL-2.		
Formulation	Lyophilized from a 0.2 µm filtered solution of 10 mM Hepes, 150 mM NaCl with 5% trehalose, pH 7.4.		

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.

Biological Activity

Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.2-0.5 ng/mL.

Stability

The lyophilized protein is stable at -20 °C for up to 1 year. For extended storage, it is recommended to further dilute in working aliquots after reconstitution. The protein solution is stable at \leq -20 °C for 3 months, or 2-7 days at 2-8 °C under sterile conditions. Avoid repeated freeze/thaw cycle.

Background

Interleukin-2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids and having a molecular mass of 17.2kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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The IL-2 is purified by proprietary chromatographic techniques.

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