9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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IL2 Canine, His

Interleukin-2 Canine Recombinant, His Tag
CYK0410

Product Overview

Name	IL2 Canine, His
Description	
Interleukin-2 Canine Recombinant, His Tag	
Accession (Primary)	Q29416
Synonyms	
Interleukin-2, IL-2, T-cell growth factor, TCGF.	
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	
IL2 Canine protein solution (0. 5mg/ml) contains Phosphate buffered saline (pH7.4).	
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. Please avoid freeze thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSHM APITS SSTKETEQQM EQLLLDLQLL LNGVNNYENP QLSRMLTFKF YTPKKATEFT HLQCLAEELK NLEEVLGLPQ SKNVHLTDTK ELISNMNVTL LKLKGSETSY NCEYDDETAT ITEFLNKWIT FSQSIFSTLT.	
Biological Activity	

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The ED50 measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. is < 0.3 ng/ml.

Precautions

IL2 Canine, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q29416)