9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL 3 Dog

Interleukin-3 Canine Recombinant
CYK0314

Product Overview

Name	IL 3 Dog
Description	
Interleukin-3 Canine Recombinant	
Accession (Primary)	Q9BDX4
Synonyms	
MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.	
Introduction	
IL3 is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution in water containing 1X PBS pH7.4.	
Stability	
Lyophilized IL3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL3 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
RPFSTDLPKQ YFTMINEIME MLNKSPSPSE EPLDSNEKET LLEDTLLRPN LDVFLNASSK FHKNGLLIWN NLKEFLPLLP TPTPRGEPIS IMENNWGDFQ RKLKKYLEAL DNFLNFKNKP.	
Biological Activity	
The ED50 as determined by the dose-dependant stimulation of TF-1 cells is < 0.2 ng/ml, corresponding to a Specific	

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Activity of 5,000,000 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized IL3 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 3 Dog is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BDX4)