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

IL5 Canine

Interleukin-5 Canine Recombinant
CYK0455

Product Overview

Name	IL5 Canine
Description	
Interleukin-5 Canine Recombinant	
Accession (Primary)	Q95J76
Synonyms	
Interleukin-5, IL-5, EDF, TRF, Eosinophil differentiation factor, T-cell replacing factor.	
Introduction	
The protein encoded by IL5is a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. IL5is a main regulator of eosinopoiesis, eosinophil maturation and activation. The elevated production of IL5is reported to be related to asthma or hypereosinophilic syndromes. The receptor of this cytokine is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). Interleukin-5, together with those for interleukin 4 (IL4), interleukin 13 (IL13), and CSF2, form a cytokine gene cluster on chromosome 5. Interleukin-5, IL4, and IL13 are found to be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.	
Source	
Sf9, Baculovirus cells .	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The IL5 solution (0.25mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).	
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. 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
VENPMNRLVA ETLTLLSTHR TWLIGDGNLM IPTPENKNHQ LCIKEVFQGI DTLKNQTAHG EAVDKLFQNL SLIKEHIERQ KKRCAGERWR VTKFLDYLQV FLGVINTEWT PES HHHHHH	

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Biological Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 range ≤ 15 ng/ml.

Precautions

IL5 Canine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q95J76)