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

IL1A Canine

Interleukin-1 alpha Canine Recombinant
CYK0395

Product Overview

Name	IL1A Canine
Description	
Interleukin-1 alpha Canine Recombinant	
Accession (Primary)	O46612
Synonyms	
interleukin 1 alpha, IL1A, interleukin-1 alpha precursor,BAF, Hematopoietin-1, IL1 alpha, IL1F1hematopoietin-1, LAF, LEM, preinterleukin 1 alpha, pro-interleukin-1-alpha.	
Introduction	
The cytokine IL-1 alpha or hematopoietin 1 is a member to the interleukin 1 family, encoded by the IL1A gene in humans. Essentially Il-1 is in charge of inflammation and the rising of fever and sepsis. In order to disturb the mentioned processes and treatment for diseases, inhibitors for Interleukin 1 alpha are being developed. Neutrophils and macrophages are the main activators of IL-1 alpha, as well as endothelial and epithelial cells. By binding to the il1 receptor it is a major part in the immune response regulation. In the activation process of tumor necrosis factor-alpha the IL1A has a part as well, and has physiological, metabolic and hematopoietic activities.	
Source	
Sf9, Baculovirus cells .	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IL1A protein solution (0.25mg/ml) containing Phosphate-Buffered Saline (pH7.4) and 10% 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADP SVAYNFH NNEKYNYIRI IKSQFILNDN LNQSIVRQTG GNYLMTAALQ NLDDAVKFDM GAYTSEDSKL PVTLRISKTR LFVSAQNEDE PVLLKEMPET PKTIRDETNL LFFWERHGSK HYFKSVAQPK LFIATQERKL	

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VHMARGQPSI TDFRLLETQP HHHHHH

Biological Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cell. The ED50 range ≤ 2 ng/ml.

Precautions

IL1A Canine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O46612)