
Product Data Sheet

Product Name: IL1B Canine
 Cat. No.: GP26041
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Interleukin 1b, Interleukin 1beta, IL-1, IL1F2, IL1-beta, Interleukin 1, beta proprotein, Interleukin 1b, IL1B, interleukin 1 beta, IL-1B.		
Amino Acid Sequence	MAAMQSV DCK LQDISHKYL V LSNSYELRAL HLNGENVNKQ VVFHMSFVHG DESNNKIPVV LGIKQKNLYL SCVMKDGKPT LQLEKVDPKV YPKRKMEKRF VFNKIEIKNT VEFESSQYPN WYISTSQVEG MPVFLGNTRG GQDITDFTME FSS.		
Formulation	IL1B Canine protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4).		

Introduction

IL1B or Interleukin-1b is made and produced by activated macrophages, IL-1B stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. IL1B proteins take part in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin from synovial cells.

Biological Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 range \leq 5pg/ml.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC for longer periods of time. Please avoid freeze thaw cycles.

Background

IL1B Canine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 153 amino acids (114-265 a.a) and having a molecular mass of 17.5 kDa.

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