

IL 1 beta Mouse

Interleukin-1 beta Mouse Recombinant
CYK0233

Product Overview

Name IL 1 beta Mouse

Description

Interleukin-1 beta Mouse Recombinant

Accession (Primary) [P10749](#)

Synonyms

Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta, Interleukin-1 beta.

Introduction

Interleukin-1b is 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 are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. IL-1b is an inflammatory cytokine which modulates angiogenesis by interacting directly with vascular endothelial cells & increasing the production of proangiogenic factors through paracrine control. IL-1 beta stimulates endothelial cell migration and proliferation, adhesion-molecule expression, inflammatory mediator production, and leukocyte recruitment. IL1B is essential for tumor growth, metastasis, and angiogenesis in quite a few animal models.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The IL-1B protein contains 20mM Tris pH-8 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

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVPI RQLHYLRDE QQKSLVLSDP YELKALHLNG
QNINQQVIFS MSFVQGEP SN DKIPVALGLK GKNLYLSCVM KDGTP TLQLE SVDPKQYPPK KMEKRFVFNK
IEVKSKEFE SAEFPN WYIS TSQAEHKPVF LGNNSGQDII DFTMESVSS.

Precautions

IL 1 beta Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P10749](#))