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

IL 1 beta Monkey

Interleukin-1 beta Rhesus Macaque Recombinant
CYK0232

Product Overview

Name	IL 1 beta Monkey
Description	
Interleukin-1 beta Rhesus Macaque Recombinant	
Accession (Primary)	P48090
Synonyms	
Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-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 from synovial cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized with 1x PBS pH-7.4	
Stability	
Lyophilized IL1B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL1B should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
APVRSLHCTL RDAQLKSLVM SGPYELKALH LQGQDLEQQV VFSMSFVQGE ESNDKIPVAL GLKAKNLYLS CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTRGG QDITDFTMQF VSS.	

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Biological Activity

The ED50 as determined by the dose-dependant stimulation of D10.G4.1 mouse helper T cells is typically 3-10pg/mL.

Solubility

It is recommended to reconstitute the lyophilized IL1B in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (P48090)