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32-1368: mIL 1 beta Recombinant Protein

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

Description

Source : Escherichia Coli. Interleukin-1 beta Mouse Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 153 amino acids and having a molecular mass of 17500 Dalton. The IL-1b is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Mouse IL-1b was lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in PBS, pH 7.5.
Storage condition :	Lyophilized Interleukin-1b 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.
Amino Acid :	MVPIRQLHYR LRDEQQKSLV LSDPYELKAL HLNGQNINQQ VIFSMSFVQGEPSNDKIPVA LGLKGKNLYL SCVMKDGTPT LQLESVDPKQ YPKKKMEKRFVFNKIEVKSK VEFESAEFPN WYISTSQAEH KPVFLGNNSG QDIIDFTMES VSS.

Application Note

It is recommended to reconstitute the lyophilized Interleukin-1b in sterile 18MÎ©-cm H2O not less than 100Âµg/ml, which can then be further diluted to other aqueous solutions. The activity as determined by the dose-dependent proliferation of mouse D10S cells is 0.9-1.3pg/ml, corresponding to a Specific Activity of 1.1 x 106 Units/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.