

Interleukin-1 beta Active Protein | mL 1 beta active protein

Recombinant Mouse Interleukin-1 beta

CATALOG # AAA38142	HOST E Coli
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PRODUCT SYNONYMS

Interleukin-1 beta; Recombinant Mouse Interleukin-1 beta; IL 1 beta Mouse; Interleukin-1 beta Mouse Recombinant; Catabolin; Lymphocyte-activating factor (LAF); Endogenous Pyrogen (EP); Leukocyte Endogenous Mediator (LEM); Mononuclear Cell Factor (MCF); IL1F2; IL-1 beta; mL 1 beta active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Mouse IL-1b was lyophilized from a 0.2 um filtered concentrated (1.0mg/ml) solution in PBS, pH 7.5. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MVPIRQLHYR LRDEQQKSLV LSDPYELKAL HLNGQNINQQ VIFSMSFVQG EPSNDKIPVA LGLKGKNLYL SCVMKDGTP T LQLESVDPKQ YPKKKMEKRF VFNKIEVKSK VEFESAEPN WYISTSQAEH KPVFLGNNSG QDIIDFTMES VSS
Sequence Length	269
Solubility	It is recommended to reconstitute the lyophilized Interleukin-1b in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of mouse D10S cells was found to be less than 2.0 pg/ml, corresponding to a Specific Activity of 5.0 x 108 IU/mg.
Preparation and Storage	Lyophilized Interleukin-1b although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL1b should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for mL 1 beta active protein	Description: 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. 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.
Product Categories/Family for mL 1 beta active protein	Cytokines and Growth Factors; Cytokines; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680415
NCBI GeneID	16176
NCBI Accession #	NP_032387.1

NCBI GenBank Nucleotide #	NM_008361.3
UniProt Accession #	P10749 ; Q2M4J6
Molecular Weight	30,931 Da
NCBI Official Full Name	interleukin-1 beta
NCBI Official Synonym Full Names	interleukin 1 beta
NCBI Official Symbol	IL1b
NCBI Official Synonym Symbols	IL-1b; IL-1beta
NCBI Protein Information	interleukin-1 beta; IL-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1b
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-mil-1-beta-active-protein/interleukin-1-beta/38142>