

Mouse IL 1 beta Recombinant Protein



RPPB0458

Product Information Protein Information

Product SKU:

RPPB0458

Accession:

P10749

Host:

Escherichia Coli.

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Mouse IL-1b was lyophilized from a sterile filtered aqueous solution in 10mM sodium phosphate, pH 7.5.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin-1b in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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 Sequence:

MVPIRQLHYR LRDEQQKSLV LSDPYELKAL HLNQININQQ VIFSMSFVQGEPSNDKIPVA LGLKGNLYL SCVMKDGTPPT LQLESVDPKQ YPKKKMEKRFVFNKIEVKSK VEFESAEPFN WYISTSQAEH KPVFLGNNSG QDIIDFTMES VSS.

Biological Activity:

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.