

Rat IL-1 beta

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1500.970.002		
10 µg	1500.970.010		
1 mg	1500.970.199		

Please enquire for bulk quantities and other vial sizes

Description

Interleukin-1b Rat Recombinant produced in *E. Coli* is a non-glycosylated, Polypeptide chain containing 153 amino acids and having a molecular mass of 17.3 kDa.

- **Biological Activity** $\geq 1 \times 10^7$ units/mg
- **Source** *E. Coli*
- **Purity** $\geq 97\%$ (SDS-PAGE)
- **Endotoxin level** $\leq 0.1\text{ng}/\mu\text{g}$ ($\leq 1\text{EU}/\mu\text{g}$)
- **Buffer** The protein was lyophilized from 0.2µm filtered concentrated solution in PBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ was found to be less than 0.1ng/ml, determined by the dose dependent proliferation of mouse D10S cells, corresponding to a specific activity of 10,000,000 units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MVPIRQLHCR LRDEQQKCLV LSDPCELKAL HLNQONISQQ VVFSMSFVQG ETSNDKIPVA LGLKGLNLYL
 SCVMKDGTP T LQLESVDPKQ YPKKMEKRF VFNKIEVGTK VEFESAQFPN WYISTSQAEH RPFVFLGNSNG
 RDIVDF TMEP VSS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
 Tel.: +49 40 43208448-0
 order@active-bioscience.de
 www.active-bioscience.de

TECHNICAL SUPPORT
 Tel.: +49 40 43208448-11
 support@active-bioscience.de

Active Bioscience GmbH
 Oberaltenallee 8
 D-22081 Hamburg
 HRB 98170 Amtsgericht Hamburg