Porcine 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	1500.920.002		
10 µg	1500.920.010		
1 mg	1500.920.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant IL 1 beta Porcine produced in *E.Coli* cells is a non-glycosylated, homodimeric protein containing 153 amino acid chain and having a molecular mass of 17.6kDa.

- **Biological Activity** ≥ 2 x 10^5 IU/mg
- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The IL 1 beta was lyophilized from a 0.2µm filtered concentrated solution in PBS pH 7.4, containing 3 % trehalose*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED_{50} as determined by a cell proliferation assay using murine D10S cells is less than 5.0 ng/ml, corresponding to a specific activity of > 2.0 × 105 IU/mg.

Reconstitution

It is recommended to reconstitute the lyophilized IL 1 beta in sterile distilled H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized IL 1 beta although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL 1 beta 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

ANVQSMECKL QDKDHKSLVL AGPHMLKALH LLTGDLKREV VFCMSFVQGD DSNNKIPVTL GIKGKNLYLS CVMKDNTPTL QLEDIDPKRY PKRDMEKRFV FYKTEIKNRV EFESALYPNW YISTSQAEQK PVFLGNSKGR QDITDFTMEV LSP

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.

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