

Interleukin 1 Beta Active Protein | IL1b active protein

Active Interleukin 1 Beta (IL1b)

CATALOG #
AAA150092

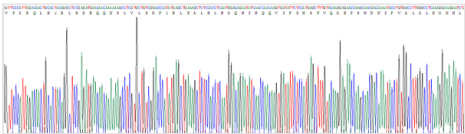
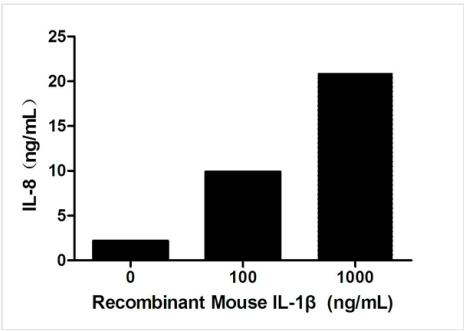
APPLICATIONS
Activity Assay, Cell Culture

PRODUCT SYNONYMS

Interleukin 1 Beta; Active Interleukin 1 Beta (IL1b); IL1-B; IL1-Beta; IL1F2; IL-1beta; Interleukin-1 Family Member 2; Catabolin; IL1b active protein

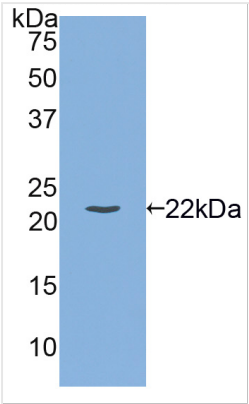
PRODUCT SPECIFICATIONS

Purity/Purification	>97%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Val118-Ser269
Sequence Length	269
Applicable Applications for IL1b active protein	Activity Assay, Cell Culture
Species	Mouse
Tag	N-terminal His Tag
Isoelectric Point	8.6
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

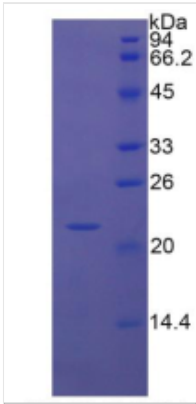


Gene Sequencing
Figure. Gene Sequencing (Extract

Application Data
Interleukin 1 beta (IL-1) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a member of the interleukin 1 family of cytokines. This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. It has been reported that IL-1 can induced IL-8 production in A549 cells. To test the bioactivity of IL-1, A549 cells were seeded into 24-well plate at a density of 1x106 cells/mL, and allowed to attach overnight before treated with certain concentrations (0.1ng/mL-1000ng/mL) of IL-1 for 24h and IL-8 levels in the cell supernatant were determined by ELISA. IL-8 levels in the cell supernatant of A549 cells increased significantly after stimulated with IL-1 have shown in Figure1. Figure. IL-8 levels in the cell supernatant of A549 induced by IL-1.



WB (Western Blot)
Figure. Western Blot; Sample: Recombinant IL1b, Mouse; Antibody: Rabbit Anti-Mouse IL1b Ab (PAA563Mu02



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for IL1b active protein Cytokine; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680415
NCBI GeneID	16176
NCBI Accession #	NP_032387.1
NCBI GenBank Nucleotide #	NP_032387.1
UniProt Accession #	P10749
Molecular Weight	Predicted Molecular Mass: 20.3kDa Accurate Molecular Mass: 19kDa
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il1b-active-protein/interleukin-1-beta/150092>