

**IL1b, 118-269 aa, Mouse, His-tagged, E.coli (Bioactivity Validated)**

**Cat.NO.: TP02623**

3th Edition

**Synonyms:** Interleukin 1 beta , IL-1b, IL-1beta, Catabolin, H1, IL 1, IL 1 beta, IL-1 beta, IL1 BETA, IL1B, IL1B\_HUMAN, IL1F2, Interleukin 1 beta, Interleukin-1 beta, OAF.

**Description:** IL-1beta is an inflammatory cytokine that might modulate angiogenesis by directly interacting with vascular endothelial cells or enhancing the production of proangiogenic factors via paracrine control. IL-1beta stimulates endothelial cell migration and proliferation, adhesion-molecule expression, inflammatory mediator production, and leukocyte recruitment. IL-1beta is required for tumor growth, metastasis, and angiogenesis in several animal models. Recombinant mouse IL-1beta, fused to His tag, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:** 21kDa (189aa), confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQMQGRDLYDDDDKDRWGSMVPIRQLHYRLRDEQQKSLVLSDPYELKALHLNGQNI  
NQQVIFSMSFVQGEPNSNDKIPVALGLKGNLYLSCVMKDGTPTLQLESVDPKQYPKKKMEKRFVFNKIEVKSKEF  
ESAEFPNWIYSTSQAEHKPVFLGNNSGQDIIDFTMESVSS

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.