

## 32-6408: IL1B Mouse, His Active

**Application :** Functional Assay  
Interleukin 1 beta, IL-1b, IL-1beta, Catabolin, H1, IL 1, IL 1 beta, IL-1 beta, IL1  
**Alternative Name :** BETA, IL1B, IL1B\_HUMAN, IL1F2, Interleukin 1 beta, Interleukin-1 beta, OAF, OTTHUMP00000162031, Preinterleukin 1 beta, Pro interleukin 1 beta.

### Description

Source: E.coli.

Sterile Filtered colorless solution.

Interleukin-1 beta is a cytokine that causes inflammation and can regulate angiogenesis through interaction with vascular endothelial cells or promoting the creation of proangiogenic modulators through the paracrine system. The cytokine causes migration and proliferation of endothelial cells, creation of mediators to inflammation, expression of adhesion-molecules & recruit of leukocyte cells. Interleukin-1 beta was found crucial for the process of tumors in various organism models. IL1B Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (118-269 a.a) and having a molecular mass of 21kDa. IL1B is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 1 µg / 5 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** IL1B protein (1mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0) and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMVPI RQLHYRLRDE QKSLVLSDP  
YELKALHLNG QNINQVIFS MSFVQGEPSN DKIPVALGLK GKNLYLSCVM KDGTPTLQLE SVDPKQYPKK  
KMEKRFVFNK IEVKSKEFE SAEFPNWIYIS TSQAEHKPVF LGNNSGQDII DFTMESVSS.

### Application Note

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 range < 0.1 ng/ml.