
IL-1 beta Recombinant Rabbit mAb

Catalog Number: bsm-52727R

Target Protein: IL-1 beta

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 1T3

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human

Predicted MW: 31 kDa

Entrez Gene: 3553

Swiss Prot: P01584

Source: KLH conjugated synthetic peptide derived from human IL-1 beta: 200-269.

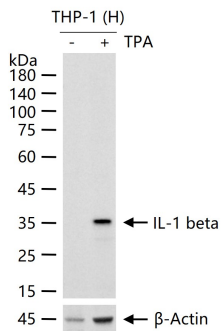
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 0.05% BSA, 40% Glycerol, 0.02% Proclin300.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). 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. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES



THP-1 (H) cells were treated with or without TPA (80nM) for 24h, then treated with (100ng/ml) lipopolysaccharide (LPS) for 6h, then with (300ng/ml) Brefeldin A added after 3h, 25 µg total protein per lane of cell lysates (see on figure) probed with IL-1 beta monoclonal antibody, unconjugated (bsm-52727R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.2] Lin Peng. et al. Bisphenol A exposure exacerbates tracheal inflammatory injury in selenium-deficient chickens by regulating the miR-155/TRAF3/ROS pathway. INT J BIOL MACROMOL. 2023 Dec;253:127501 WB ; Chicken . 37866585

[IF=5.1] Min Wei. et al. The role of ROS-pyroptosis in PM2.5 induced air-blood barrier destruction. CHEM-BIOL INTERACT. 2023 Dec;386:110782 WB ; Human . 37884181