

A22257

Leader in Biomolecular Solutions for Life Science



IL1 β Rabbit mAb

Catalog No.: A22257

Recombinant

11 Publications

Basic Information

Observed MW

19kDa/17/31kDa

Calculated MW

31kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC56180

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:200 - 1:800

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Contact



www.abclonal.com

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. The encoded protein plays a role in thymocyte proliferation and is involved in the inflammatory response.

Immunogen Information

Gene ID

16176

Swiss Prot

P10749

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 118-269 of mouse IL1 β (NP_032387.1).

Synonyms

IL-1b; IL-1beta; IL1 β

Product Information

Source

Rabbit

Isotype

IgG

Purification

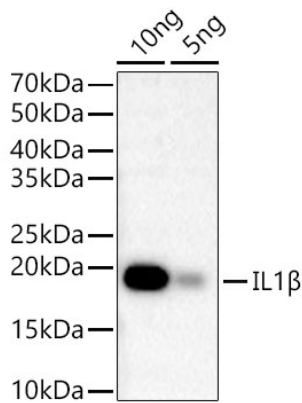
Affinity purification

Storage

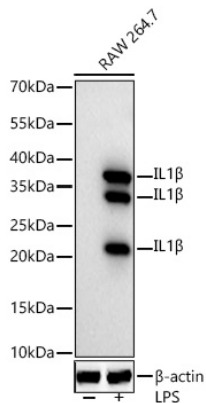
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

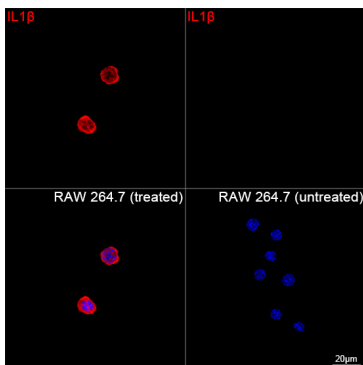
Validation Data



Western blot analysis of Recombinant Mouse IL-1 beta Protein (RP01340), using IL1 β Rabbit mAb (A22257) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 10ng/5ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



Western blot analysis of lysates from RAW 264.7 cells using IL1 β Rabbit mAb (A22257) at 1:1000 dilution incubated overnight at 4°C. Raw264.7 cells were treated with LPS (1 μ g/ml) at 37°C for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μ g per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Confocal imaging of RAW 264.7 cells (treated with BFA and LPS) and RAW 264.7 cells (untreated) using IL1 β Rabbit mAb (A22257, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.