

IL1 β Rabbit mAb

Catalog No.: A22257 **Recombinant** **7 Publications**

Basic Information

Observed MW

19kDa/17/31kDa

Calculated MW

31kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC56180

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.

Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:100 - 1:400

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

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

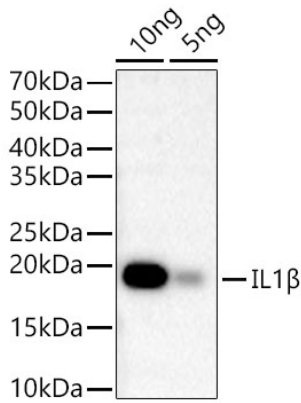
Affinity purification

Storage

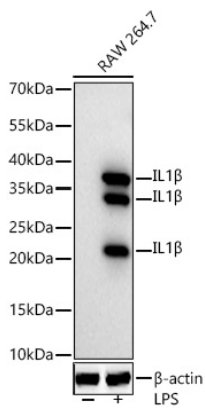
Store at -20°C. Avoid freeze / thaw cycles.

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

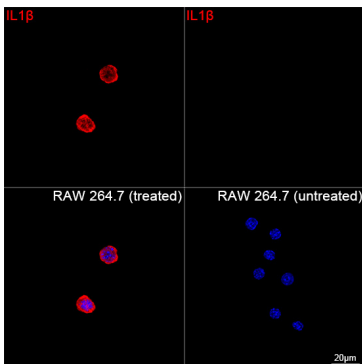
Validation Data



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 by 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.