

Rabbit anti-Mouse IL1beta Monoclonal Antibody | anti-IL1b antibody

IL1beta Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282945	Rabbit	Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

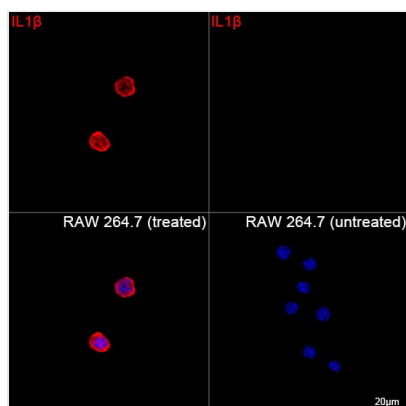
PRODUCT SYNONYMS

IL1beta; Monoclonal Antibody; IL1beta Rabbit mAb; IL-1b; IL-1beta; anti-IL1b antibody

PRODUCT SPECIFICATIONS

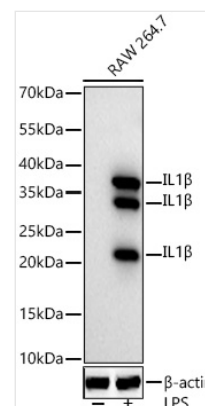
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	VPIRQLHYRL RDEQQKSLVL SDPYELKALH LNGQNINQQV IFSMSFVQGE PSNDKIPVAL GLKGKNLYLS CVMKDGTPTL QLESVDPKQY PKKKMEKRFV FNKIEVSKV EFESAEPNW YISTSQAEHK PVFLGNNSGQ DIIDFTMESV SS
Applicable Applications for anti-IL1b antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 118-269 of mouse IL1beta (NP_032387.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



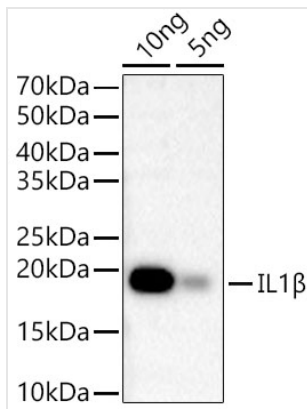
ICC (Immunocytochemistry)

Confocal imaging of RAW 264.7 cells (treated with BFA and LPS) and RAW 264.7 cells (untreated) using IL1 β Rabbit mAb (AAA282945, 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.



WB (Western Blot)

Western blot analysis of lysates from RAW 264.7 cells using IL1 β Rabbit mAb (AAA282945) at 1:1000 dilution incubated overnight at 4 $^{\circ}$ C. Raw264.7 cells were treated by LPS (1 ug/ml) at 37 $^{\circ}$ C for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 ug per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



WB (Western Blot)

Western blot analysis of Recombinant Mouse IL-1 beta Protein (RP01340), using IL1 β Rabbit mAb (AAA282945) 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.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1b antibody	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.
Product Categories/Family for anti-IL1b antibody	Cell biology developmental biology; Apoptosis; Growth factors; Endocrine metabolism; Endocrine and metabolic diseases; Obesity; Immunology inflammation; Cytokines; Interleukins; NF-kB signaling pathway; Cell intrinsic innate immunity signaling pathway; Ne

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680415
NCBI GeneID	16176
NCBI Accession #	NP_032387.1
NCBI GenBank Nucleotide #	NM_008361.3
UniProt Accession #	P10749; Q2M4J6
Molecular Weight	Calculated MW: 31kDa Observed MW: 19kDa/17/31kDa
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1b
UniProt Synonym Gene Names	IL-1 beta
UniProt Entry Name	IL1B_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/il1beta-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282945>