BOSTER BIOLOGICAL TECHNOLOGY
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Anti-IL-1 beta Rabbit Monoclonal Antibody

Catalog Number: M00101-3

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Overview

Product Name	Anti-IL-1 beta Rabbit Monoclonal Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-IL-1 beta Rabbit Monoclonal Antibody catalog # M00101-3. Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Mouse, Rat.
Application	Flow Cytometry, IP, WB
Clonality	Monoclonal 28I10
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P10749

Technical Details

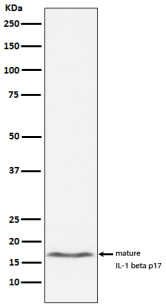
Immunogen	A synthesized peptide derived from human IL-1 beta
Isotype	IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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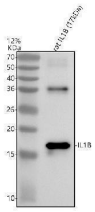
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Anti-IL-1 beta Rabbit Monoclonal Antibody (M00101-3) Images



Western blot analysis of IL1 beta expression in RAW 264.7 cell treated with Lipopolysaccharide (LPS) cell lysate.



Western blot analysis of IL1B using anti-IL1B antibody (M00101-3). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: recombinant rat IL1B protein.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL1B antigen affinity purified monoclonal antibody (M00101-3) at 1:500 overnight at 4°C, then washed with TBS-10%%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for IL1B at approximately 17 kDa. The expected band size for IL1B is at 17 kDa.

3 Publications Citing This Product

1. PubMed ID: 10.1177/1534735416659358, Anti-inflammatory Effects of Phyllanthus emblica L on Benzopyrene-Induced Precancerous Lung Lesion by Regulating the IL-1beta/miR-101/Lin28B Signaling Pathway:

2. PubMed ID: 10.3390/ijms150915806, NLRP3 Inflammasome Sequential Changes in Staphylococcus aureus-Induced Mouse Model of Acute Rhinosinusitis

3. PubMed ID: 10.1016/j.intimp.2015.09.029, The natural compound celastrol inhibits necroptosis and alleviates ulcerative colitis in mice

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