

Datasheet for ABIN1537701

## anti-IL-1 beta antibody (AA 148-174)



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1 Image

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### Overview

Quantity:	0.1 mL
Target:	IL-1 beta (IL1B)
Binding Specificity:	AA 148-174
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-1 beta antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This IL1B antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 148-174 amino acids from the Central region of human IL1B.
Clone:	614CT4-3-1
Isotype:	IgG1
Predicted Reactivity:	Pr, Rb
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

### Target Details

Target:	IL-1 beta (IL1B)
Alternative Name:	IL1B ( <a href="#">IL1B Products</a> )

## Target Details

**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].

**Molecular Weight:** 30748

**Gene ID:** 3553

**NCBI Accession:** [NP\\_000567](#)

**UniProt:** [P01584](#)

**Pathways:** [NF-kappaB Signaling](#), [Interferon-gamma Pathway](#), [TLR Signaling](#), [Negative Regulation of Hormone Secretion](#), [Cellular Response to Molecule of Bacterial Origin](#), [Carbohydrate Homeostasis](#), [Glycosaminoglycan Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Autophagy](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

## Application Details

**Application Notes:** WB: 1:2000~4000

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C,-20 °C

**Storage Comment:** IL1B Antibody (Center)(Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

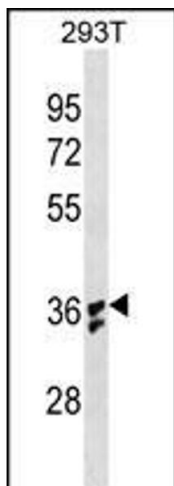
Handling

Expiry Date: 6 months

Publications

Product cited in: Liu, Wang, Zou, Fan, Hu, Feng, Zhu, Xiong: "Monocyte chemoattractant protein 1 released from macrophages induced by hepatitis C virus promotes monocytes migration." in: **Virus research**, Vol. 240, pp. 190-196, (2018) ([PubMed](#)).

Images



Western Blotting

**Image 1.** IL1B Antibody (Center)(Ascites) ABIN1537701.  
293 cell lysates transiently transfected with the IL1B gene.