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# anti-IL-1 beta antibody (AA 117-269)



## **Images**



Go to Product page

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Quantity:	0.1 mg
Target:	IL-1 beta (IL1B)
Binding Specificity:	AA 117-269
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

### **Product Details**

Immunogen:	Purified recombinant fragment of human IL1B (AA: 117-269) expressed in E. coli.
Clone:	5C3B7
Isotype:	lgG1
Purification:	purified

## Target Details

Target:	IL-1 beta (IL1B)
Alternative Name:	IL1B (IL1B Products)
Background:	Description: 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. This cytokine is an important mediator of the
	inflammatory response, and is involved in a variety of cellular activities, including cell

## **Target Details**

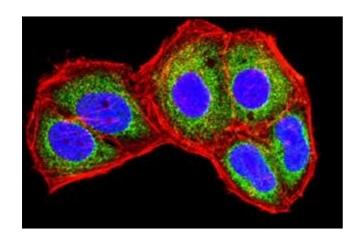
	proliferation, differentiation, and apoptosis. The induction of cyclooxygenase2 by this cytokine in the central nervous system is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Aliases: IL-1, IL1F2, IL1beta, IL1-BETA
Molecular Weight:	30.7 kDa
Gene ID:	3553
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:1:500 - 1:2000, ICC:1:200 - 1:1000, FCM:1:200 - 1:400, ELISA:1:10000,
Restrictions:	For Research Use only

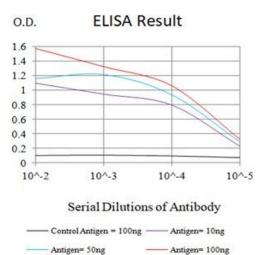
# Handling

Buffer:	Purified antibody in PBS with 0.05 % 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:	4°C, -20°C for long term storage



#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of Hela cells using IL1B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

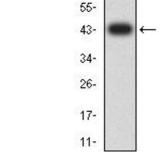


#### **ELISA**

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

#### **Western Blotting**

Image 3. Western blot analysis using IL1B mAb against human IL1B (AA: 117-269) recombinant protein. (Expected MW is 43.4 kDa)



kDa

170-130-

> 95-72-

Please check the product details page for more images. Overall 6 images are available for ABIN7193975.