

Datasheet for ABIN516997

**anti-IL-1 beta antibody (AA 170-269)****2** Images[Go to Product page](#)

## Overview

|                      |                                          |
|----------------------|------------------------------------------|
| Quantity:            | 100 µg                                   |
| Target:              | IL-1 beta (IL1B)                         |
| Binding Specificity: | AA 170-269                               |
| Reactivity:          | Human                                    |
| Host:                | Mouse                                    |
| Clonality:           | Monoclonal                               |
| Conjugate:           | This IL-1 beta antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA             |

## Product Details

|                   |                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Mouse monoclonal antibody raised against a partial recombinant IL1B.                                              |
| Immunogen:        | IL1B (AAH08678, 170 a.a. ~ 269 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.  |
| Sequence:         | DKIPVALGLK EKNLYLSCVL KDDKPTLQLE SVDPKNYPKK KMEKRFVFNK IEINNKLEFE<br>SAQFPNWWYIS TSQAENMPVF LGGTKGGQDI TDFTMQFVSS |
| Clone:            | 1G8                                                                                                               |
| Isotype:          | IgG2a                                                                                                             |
| Cross-Reactivity: | Human                                                                                                             |
| Characteristics:  | Antibody Reactive Against Recombinant Protein.                                                                    |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IL-1 beta (IL1B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternative Name: | IL1B ( <a href="#">IL1B Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | Full Gene Name: interleukin 1, beta<br>Synonyms: IL-1,IL1-BETA,IL1F2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene ID:          | 3553                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">TLR Signaling</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Autophagy</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a> |

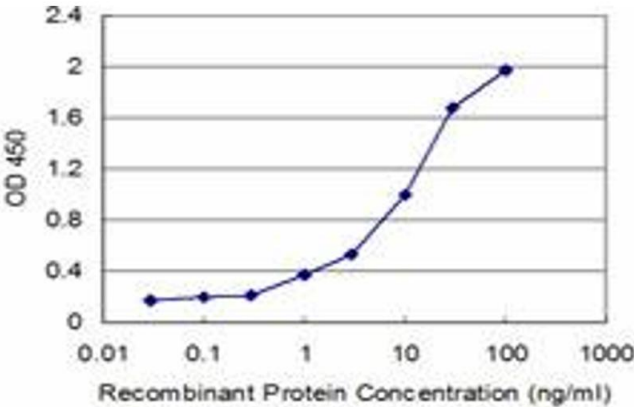
## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

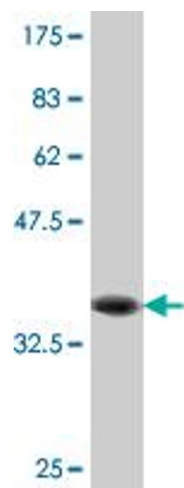
|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| Buffer:          | In 1x PBS, pH 7.4                                                        |
| Handling Advice: | Aliquot to avoid repeated freezing and thawing.                          |
| Storage:         | -20 °C                                                                   |
| Storage Comment: | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Images



### ELISA

**Image 1.** Detection limit for recombinant GST tagged IL1B is approximately 0.1 ng/ml as a capture antibody.



Western Blotting

**Image 2.** Western Blot detection against Immunogen (36.63 kDa) .