

## Anti- IL1 Beta antibody

### Description

#### PRODUCT INFORMATION

Product Name	anti- IL1 Beta antibody
Catalogue No.	BSMAB04210
Size	100µg
Form	liquid
Purification	Protein G purified
Purity	≥95% as determined by SDS-PAGE
Host	Mouse
Clonality	monoclonal
Isotype	IgG1
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.3,

### 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.

### IMMUNOGEN INFORMATION

**Immunogen:** Interleukin 1, beta

**Synonyms:** IL1 beta, Catabolin, IL 1, IL 1 beta, IL1 BETA, IL1B, IL1beta, IL1F2, IL-1 $\beta$ , Interleukin 1 beta, interleukin 1, beta

**Observed MW:** 35kDa

### APPLICATION

Tested Application: ELISA, IHC, WB

Recommended Dilution: WB: 1:1000-1:4000; IHC: 1:50-1:500

### Date Created

2024/07/01