

# Rabbit anti-Human IL-1 $\beta$ mAb(CAP)

Catalog No.: RM17965

## Basic Information

**Catalog No.**  
RM17965

**Catagory**  
Elisa Antibody Kit

**Application**  
Multiplex

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification


**Endotoxin Level**

**Storage**  
Store at -20°C.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS,PH 7.4 containing Human IL-1 $\beta$  Antibody.

## Contact

 | order@abclonal.com

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 | www.abclonal.com

## 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. Similarly, IL-1B has been implicated in human osteoarthritis pathogenesis. Patients with severe Coronavirus Disease 2019 (COVID-19) present elevated levels of pro-inflammatory cytokines such as IL-1B in bronchial alveolar lavage fluid samples. The lung damage induced by the Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL-1B. This gene and eight other interleukin 1 ...

## Immunogen Information

**Immunogen**  
Recombinant fusion protein containing a sequence corresponding to amino acids 117-269 of human IL-1 $\beta$  (NP\_000567.1).

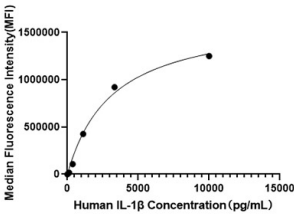
## Cross-Reactivity

## Assay Applications

Human IL-1 $\beta$  Sandwich Immunoassay

|           |           | Recommended Concentration | Sample  |
|-----------|-----------|---------------------------|---|
| Multiplex | Capture   | 3-20ug/mL                 | Rabbit anti-Human IL-1 $\beta$ mAb(Cat. No.RM17965)   |
|           | Detection | 0.017-2ug/mL              | Rabbit anti-Human IL-1 $\beta$ mAb(Cat. No.RM17734)   |
|           | Standard  | 13.72-10000pg/mL          | Recombinant Human IL-1 beta Protein(Cat. No. RP00002) |

# Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.