Leader in Biomolecular Solutions for Life Science

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Anti-Human IL-1 beta mAb (CAP)

Catalog No.: RMK0033

Basic Information

Catalog No.
RMK0033

Catagory
Elisa Antibody Kit

Application
ELISA,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2μm filtered solution in PBS with 0.05% Proclin300, PH 7.4.

Contact

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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-1β (NP_000567.1).

Cross-Reactivity

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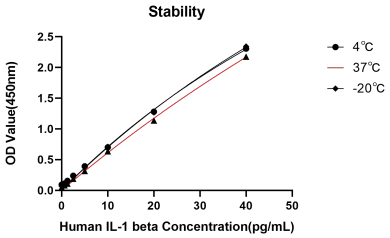
Assay Applications

Human IL-1 beta Sanwich Immunoassay

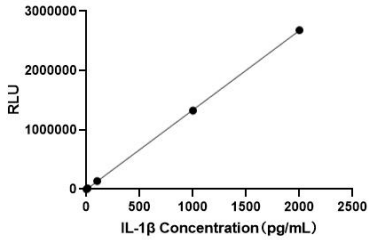
		Recommended Concentration	Sample
ELISA	Capture	1-4 ug/mL	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0033)
	Detection	0.125-0.5ug/mL	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0034)
	Standard	0.625-40pg/mL	Recombinant Human IL-1 beta Protein (Cat. No.RP00002)

CLIA	Capture	1-4 ug/mL	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0034)
	Detection	0.5-2ug/mL	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0033)
	Standard	5-2000pg/mL	Recombinant Human IL-1 beta Protein

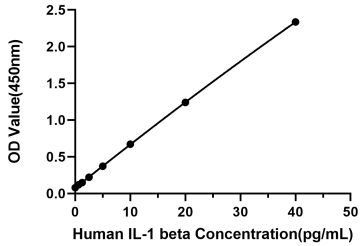
Validation Data



Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.



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



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