Leader in Biomolecular Solutions for Life Science

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Rabbit Anti-Human IL-1 beta mAb

Catalog No.: RMK0034

Basic Information

Catalog No.
RMK0034

Catagory
Elisa Antibody Kit

Application
ELISA,Multiplex,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

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

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

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-1 beta (NP_000567.1).

Cross-Reactivity

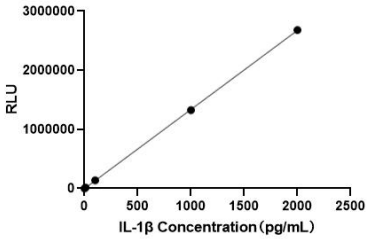
Assay Applications

Human IL-1 beta Sandwich Immunoassay

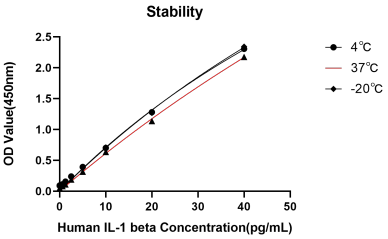
		Recommended Concentration	Sample
ELISA	Capture	1-4 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0033)
	Detection	0.125-0.5 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0034)
	Standard	0.625-40 pg/mL	Recombinant Human IL-1 beta Protein (Cat. No.RP00002)

ELISA	Capture	1-4 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0508)
	Detection	0.025-0.1 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0034)
	Standard	6.25-400 pg/mL	Recombinant Human IL-1 beta Protein (Cat. No.RP00002)
CLIA	Capture	1-4 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0034)
	Detection	0.5-2 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0033)
	Standard	5-2000 pg/mL	Recombinant Human IL-1 beta Protein
CLIA	Capture	1-4 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0508)
	Detection	0.5-2 μg/ml	Rabbit anti-Human IL-1 beta mAb (Cat. No.RMK0034)
	Standard	4.9-5000 pg/mL	Recombinant Human IL-1 beta Protein

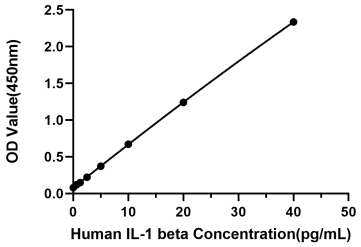
Validation Data



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



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.