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Rabbit anti-Human IL-1β(CAP)

Catalog No.: RM17743 **2 Publications**

Basic Information

Catalog No.
RM17743

Catagory
Elisa Antibody Kit

Application
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 0.2umfiltered solution in PBS with0.1%Braveds MB-1 ,Ph7.4.

Contact

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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 Human IL-1β Protein

Cross-Reactivity

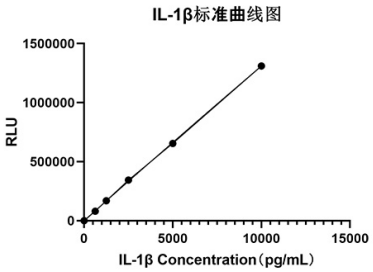
No cross-reactivity in ELISA assay with recombinant hIL-1A ,hIL-1RA,hIL-18,hIL-33, mIL-1B, mIL-33,rIL-1A ,rIL-1B

Assay Applications

Human IL-1β Sanwich CLIA Immunoassay

	Recommended Concentration	Sample
CLIA Capture	1-4ug/mL	Rabbit anti-Human IL-1β(CAP)(Cat. No.RM17743)
CLIA Detection	0.5-2ug/mL	Rabbit anti-Human IL-1β(DET)(Cat. No.RM17734)
Standard	0.625-10ng/mL	Recombinant Human IL-1β Protein

Validation Data



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