

Rabbit anti-Human IL-1 β (CAP)

Catalog No.: RM17743

Basic Information

Catalog No.
RM17743

Catagory
Elisa Antibody Kit

Application
CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification


Endotoxin Level


Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1% Braveds MB-1, Ph7.4.

Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

Background

Interleukin-1 beta (IL-1 β) is also known as catabolin, is a cytokine protein that in humans is encoded by the IL1B gene. IL-1 β precursor is cleaved by caspase 1 (interleukin 1 beta convertase). Cytosolic thiol protease cleaves the product to form mature IL-1 beta. IL1 β are structurally related polypeptides that share approximately 21% amino acid (aa) identity in human. Both proteins are produced by a wide variety of cells in response to inflammatory agents, infections, or microbial endotoxins. While IL1 α and IL1 β are regulated independently, they bind to the same receptor and exert identical biological effects. IL-1 β 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 (PTG...

Immunogen Information

Immunogen
Recombinant Human IL-1 β Protein

Cross-Reactivity

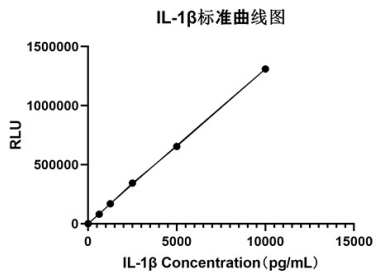
No cross-reactivity in ELISA assay with recombinant hIL-1A, hIL-1RA, hIL-18, hIL-33, mL-1B, mL-33, rIL-1A, rIL-1B

Assay Applications

Human IL-1 β Sanwich CLIA Immunoassay

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

Validation Data



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