

Rabbit anti-Human IL-1 β mAb (DET)

Catalog No.: RM17734

Basic Information

Catalog No.
RM17734

Catagory
Elisa Antibody Kit

Application
ELISA

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% Bredas MB-1, PH 7.4.

Contact

 | order@abclonal.com

 | support@abclonal.com

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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 IL-1 β Protein

Cross-Reactivity

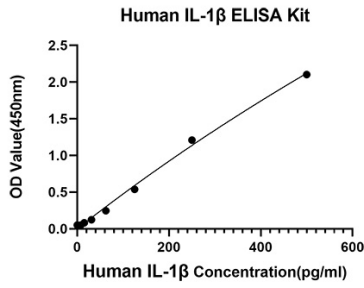
No cross-reactivity in ELISA assay with recombinant hIL-1A \square hIL-1RA \square hIL-18 \square hIL-33 \square mL-1B \square mL-33 \square rIL-1A \square rIL-1B

Assay Applications

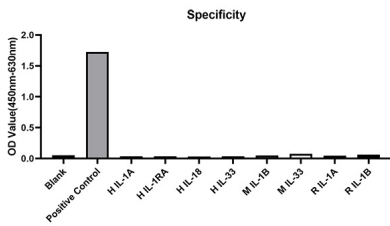
Human IL-1 β Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2ug/mL	Rabbit anti-Human IL-1 β (CAP)(Cat. No.RM17733)
ELISA Detection	0.05-0.2ug/mL	Rabbit anti-Human IL-1 β (DET)(Cat. No.RM17734)
Standard	7.81-500pg/mL	Recombinant Human IL-1 β Protein

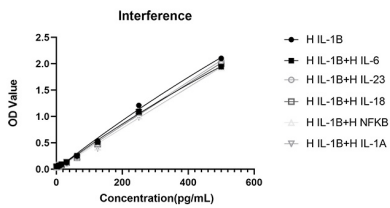
Validation Data



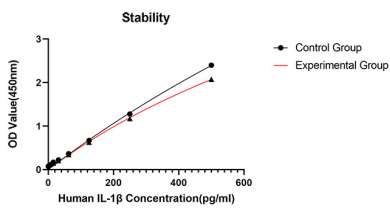
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



No significant cross-reactivity or interference was observed.



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