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Rat IL-1ß Antibody Pair Set

Catalog No. E-KAB-0104 Applications ELISA

Synonyms IL1B, IL1-BETA, IL1F2, catabolin

Kit components & Storage

Title	Specifications	Storage
Rat IL-1β Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year.
		Avoid freeze / thaw cycles.
Rat IL-1β Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C for one year.
		Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0104)		
		Rat IL-1β Capture Antibody	Rat IL-1β Detection Antibody (Biotin)	
Immunogen	Immunogen	Recombinant Rat IL-1β protein	Recombinant Rat IL-1β protein	
Information	Swissprot	Q63264		
Product details	Reactivity	Rat	Rat	
	Host	Goat	Goat	
	Conjugation	Unconjugated	Biotin	
	Concentration	0.5mg/mL	/	
	Buffer	PBS with 0.04% Proclin 300, 50%	PBS with 0.04% Proclin 300, 1%	
		glycerol, pH 7.4	protective protein, 50% glycerol, pH	
			7.4	
	Purify	Antigen Affinity	Antigen Affinity	
Specificity		Detects Rat IL-1β in ELISAs.		

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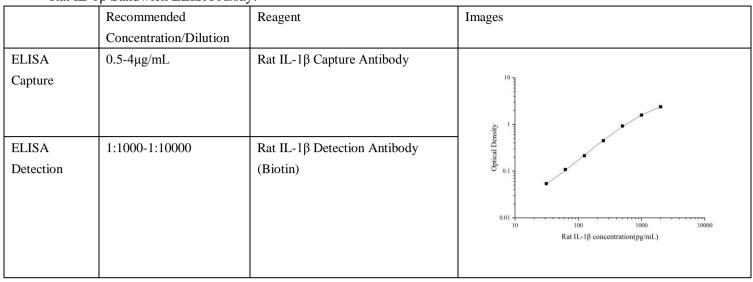




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Applications

Rat IL-1β Sandwich ELISA Assay:



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

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. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

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