


Mouse IL-1 β protein

Cat #:PRP1119

Size: 5 μ g/20 μ g/100 μ g/1 mg

Product Information

	Product Name: Mouse IL-1 β protein		
REF	Catalog Number: PRP1119	LOT	Lot Number: Refer to product label
	Purity: >98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E. coli</i>
	Shipping: The product is shipped at below ambient temperature.		

Background: Interleukin-1 β (IL1 beta or IL-1 β) also known as catabolin, is a member of the interleukin 1 cytokine family, is produced by activated macrophages, IL-1 β stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 β proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin from synovial cells.

Sequence: Amino acid sequence derived from mouse IL-1 β protein isoform (P10749) (Val118-Ser269) was expressed.

Protein length: The recombinant mouse IL-1 β protein consists of 153 amino acids and predicts a molecular mass of 17 kDa.

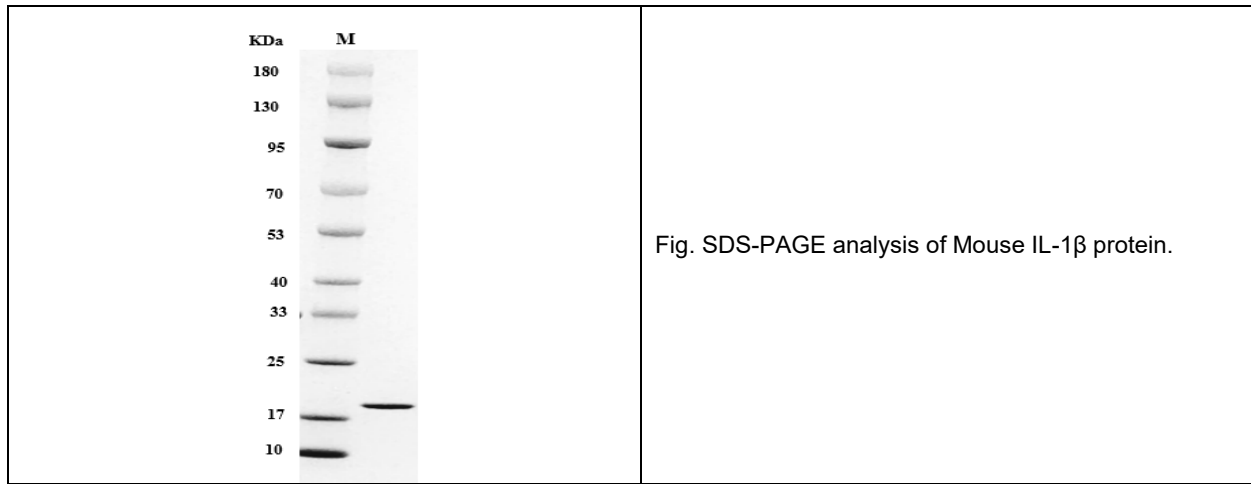
Biological Activity: Immobilized Mouse IL-1 β at 1 μ g/mL (100 μ l/well) can bind Mouse IL-1R1 with a linear range of 13.98 ug/mL.

Endotoxin: < 1.0 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH7.4.

Storage Instructions: Lyophilized mouse IL-1 β protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized mouse IL-1 β protein using the buffer we provided not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.



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