


Mouse IL13 protein

Cat #: PRP2114

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IL13 protein (Animal-Free)		
REF	Catalog Number:	LOT	Lot Number: Refer to product label
	Purity: >95% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: HEK 293 Cells
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin (IL)-13, a cytokine produced by T helper 2 (Th2) cells, is a powerful inhibitor of macrophage functions, including surface expression of CD14 and production of IL-1 and tumor necrosis factor (TNF)-alpha. Interleukin (IL)-13 synergizes with IL2 in regulating interferon-gamma synthesis. It may be critical in regulating inflammatory and immune responses. Mouse IL13 shares 58% sequence identity with human protein and exhibits cross-species activity. IL-13 was first recognized for its effects on B cells and monocytes, where it upregulated class II expression, promoted IgE class switching and inhibited inflammatory cytokine production. It was also thought to be functionally redundant with IL-4.

Sequence: Amino acid sequence derived from mouse IL13 protein (P20109, Met1-Phe131) was expressed with a polyhistidine tag at the C-terminus.

Protein length: The recombinant mouse IL13 protein consists of 118 amino acids and predicts a molecular mass of 12.7 kD. The apparent molecular mass of the mouse IL13 is approximately 15-30 kDa in SDS-PAGE under reducing conditions due to glycosylation.

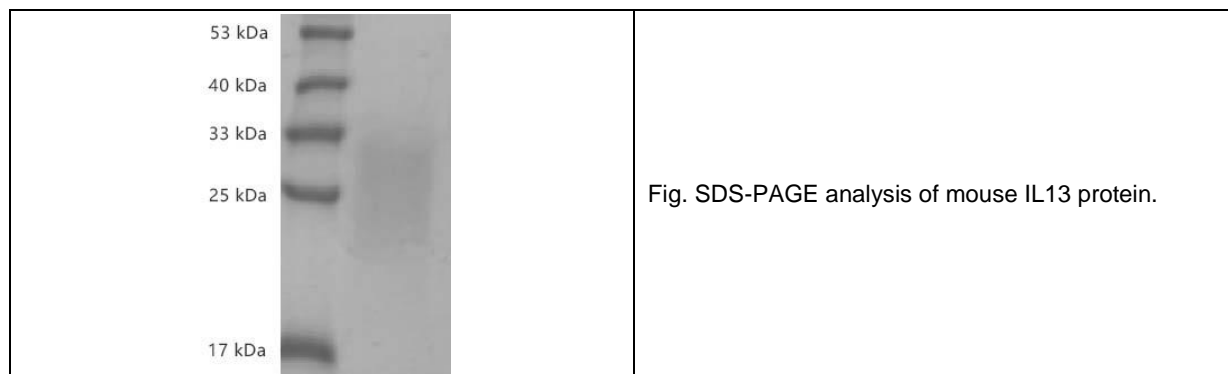
Biological Activity: Testing in progress.

Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: 0.22 µm filtered protein solution is in PBS, pH7.4.

Storage Instructions: Lyophilized mouse IL13 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°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-13 protein in the buffer which we provide not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



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