

Mouse IL-9 Protein, His tag (Animal-Free)

Cat #: PRP1112

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IL-9 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1112	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin 9, also known as IL-9, is a pleiotropic cytokine (cell signalling molecule) belonging to the group of interleukins. IL-9 is produced by variety of cells like mast cells, NKT cells, Th2, Th17, Treg, ILC2, and Th9 cells in different amounts. Among them, Th9 cells are regarded as the major CD4+ T cells that produce IL-9.

Sequence: Amino acid sequence derived from Mouse IL-9 (Gln9-Pro144) (P15247) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant mouse IL-9 consists of 136 amino acids and predicts a molecular mass of 14.97 kDa.

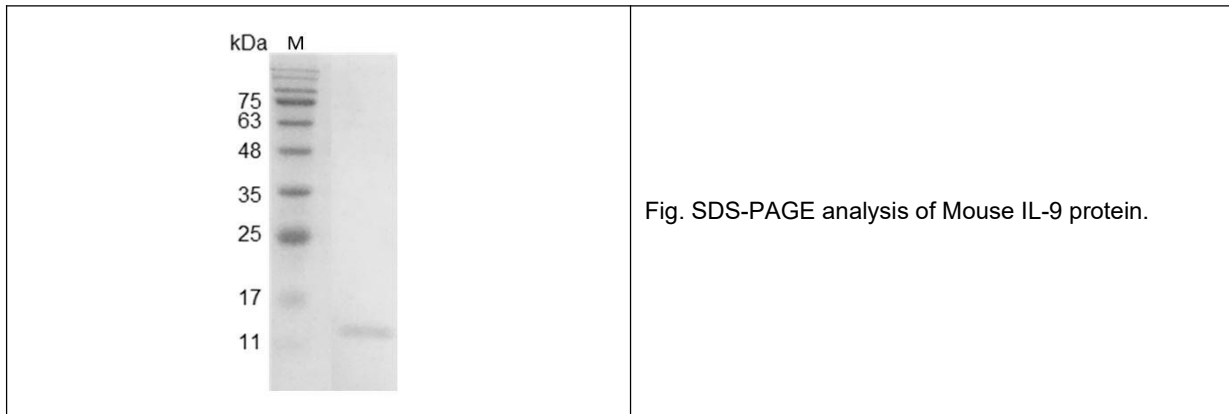
Biological Activity: Measured by its ability to induce proliferation in MO7e cells. The ED₅₀ for this effect is <0.2 ng/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from PBS, pH 7.4.

Storage Instructions: Lyophilized 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 (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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