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IL9
Recombinant Mouse Interleukin-9

Catalog No.	CRI152A	**Quantity:**	2 µg
	CRI152B		10 µg
	CRI152C		1.0 mg
	CRI152D		100 µg

Alternate Names: HP40, IL-9, P40

Gene ID: 16198

Protein Accession No: P15247

Description: Interleukin-9 (IL9) is known to regulate many cell types involved in T- helper type 2 responses classically associated with asthma, including B- and T- lymphocytes, mast cells, eosinophils and epithelial cells. Growing evidence obtained from human genomic analysis and antigen-challenged transgenic mice suggests that interleukin-9 (IL-9) is a candidate factor in immunoglobulin E (IgE) production and thus is thought to be associated with bronchial inflammation and bronchial hyper responsiveness (BHR).

Source: *E. coli*

Molecular Weight: 14.3 kDa (127 aa)

Formulation: Lyophilized from a sterile filtered solution containing 0.1% Trifluoroacetic acid (TFA).

Purity: > 95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EUs/µg, by kinetic LAL.

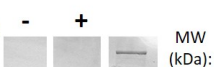
Biological Activity: ED_{50} ≤ 2 ng/mL, determined by the dose-dependent stimulation of mouse MO7e cells.

Specific Activity: ≥ 5.0 x 10^5 units/mg

Amino Acid Sequence: MQRCSTTWGI RDTNYLIENL KDDPPSKCSC SGNVTSCLCL SVPTDDCTTP CYREGLLQLT NATQKSRLLP VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTMSFLKS LLGTFQKTEM QRQKSRP

Reconstitution: **Centrifuge vial prior to opening.** First add sterile water to the vial to fully solubilize the protein to a concentration of 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Store at -20°C to -80°C for up to 1 year. After reconstitution, stable for 1 week at 2-8°C. For long term storage, aliquot and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles**.



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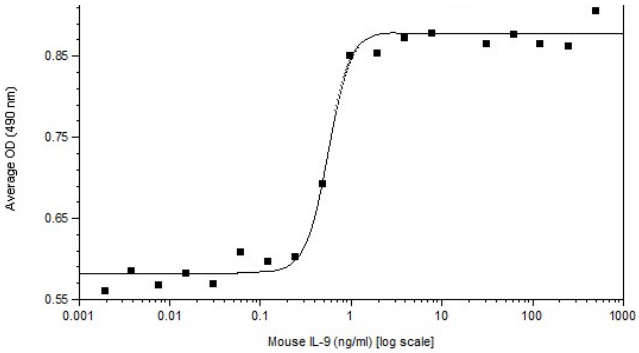

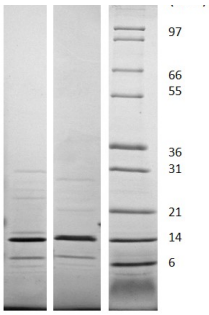

Mouse IL-9 Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-9 has a predicted MW of 14.3 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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