

PRODUCT INFORMATION
IL-9 (Interleukin-9), Mouse

Catalog number	C02010-5UG / C02010-20UG / C02010-100UG
Package	5 µg / 20 µg / 100 µg
Description	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.
Source	<i>Escherichia coli</i>
Sequence	QRCSTTWGIRDNTNYLIENLKDDPPSKCSCSGNVTSCCLCLSVPTDDCTTPCYRE GLLQLTNATQKSRLLPVHRVVKRIVEVLKNITCPSFSCEKPCNQTMAGNTLSFLK SLLGTFQKTEMQRQKSRP with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in MO7e cells. The ED ₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-9 is > 5 x 10 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IL-9

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