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32-12163: Mouse Interleukin-9

Gene :	Il9
Gene ID :	16198
Uniprot ID :	P15247
Alternative Name :	Cytokine P40, T-cell growth factor P40

Description

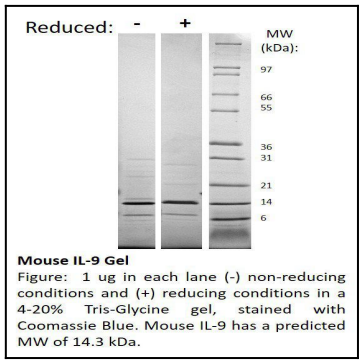
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 14.3 kDa (127 aa)
Â Interleukin 9 (IL-9) is a cytokine produced by type 2 T helper (Th2) cells and regulates hematopoietic cells. IL-9 signals through the interleukin 9 receptor (IL9R) to activate STAT signaling. IL-9 functions to induce cell proliferation, prevent cell apoptosis, and is associated with asthma and airway hyperresponsiveness.

Product Info

Amount :	10 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MQRCSTTWGI RDTNYLIENL KDDPPSKCSC SGNVTSCLCL SVPTDDCTTP CYREGLLQLT NATQKSRLLP VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTLSFLKS LLGTFQKTEM QRQKSRP

Application Note

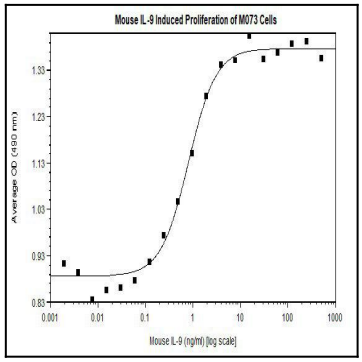
Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by MO7e cell proliferaiton at <=2 ng/mL; >= 5.0 x 10^5 units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss. ÃÂ ÃÂ



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.

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