9853 Pacific Heights Blvd.
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32-12145: Mouse Interleukin-4

Gene :	Il4
Gene ID :	16189
Uniprot ID :	P07750
Alternative Name :	B-cell IgG differentiation factor, B-cell growth factor 1, B-cell stimulatory factor 1, IGG1 induction factor, Lymphocyte stimulatory factor 1

Description

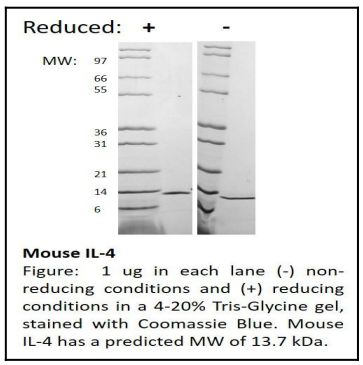
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 13.7 kDa (121 aa)
Interleukin 4 (IL-4) is an immunomodulatory cytokine that functions to induce naÃ¨ve helper T cells to differentiate into type 2 T helper (Th2) cells. Th2 cells subsequently produce more IL-4 in a positive feedback loop. IL-4 also promotes immunoglobulin IgG to IgE isotype switching on B cells. IL-4 binds the IL-4Ralpha receptor to activate STAT6 signaling.

Product Info

Amount :	20 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 :	MHIHGCDKNH LREIIGILNE VTGEGTPCTE MDVPNVLTAT KNTTESELVC RASKVLRIFY LKHGKTPCLK KNSSVLMELQ RLFRAFRCLD SSISCTMNES KSTSLKDFLE SLKSIMQMDY S

Application Note

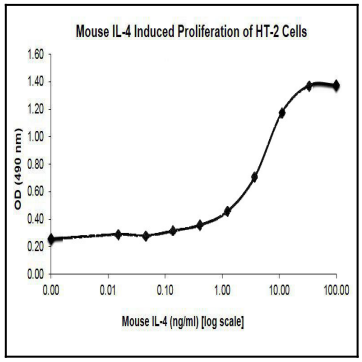
Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by HT-2 Proliferation. at <=20 ng/mL; >= 5.0 x 10^4 units/mg . Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. 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.



Mouse IL-4
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-4 has a predicted MW of 13.7 kDa.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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