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32-12251: Mouse Macrophage Inflammatory Protein-1 beta (CCL4)

Gene :	Ccl4
Gene ID :	20303
Uniprot ID :	Q5QNV9
Alternative Name :	C-C motif chemokineÂ Â Â Â Â Â Â Â

Description

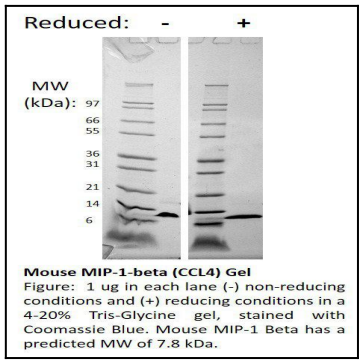
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 7.8 kDa (69 aa)
Macrophage inflammatory protein-1 beta (MIP-1 beta), also known as CCL4, is Â produced by macrophages and functions as a mitogen-inducible cytokine. Â MIP-1 beta signals through the chemokine receptor CCR5 to chemoattract immune cells. Â MIP-1 beta induces inflammatory responses, including neutrophil superoxide production. Â The MIP-1 beta and MIP-1 alpha heterodimer exhibits antiviral activity against the human immunodeficiency virus 1 (HIV-1).Â

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 :	APMGSDPPTS CCFSYTSRQL HRSFVMDYYE TSSLCSKPAV VFLTKRGRQI CANPSEPWVT EYMSDLELN

Application Note

Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by THP-1 chemotaxis at <=100 ng/mL. 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 MIP-1-beta (CCL4) 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 MIP-1 Beta has a predicted MW of 7.8 kDa.

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