

Ccl4

Recombinant Mouse MIP-1 beta / CCL4

Catalog No.	CRM430A	Quantity:	2 µg
	CRM430B		100 µg
	CRM430C		1 mg

Alternate Names: C-C motif chemokine, CCL4, ACT-2

Description: Macrophage inflammatory protein-1 beta (MIP-1 β), also known as CCL4, is produced by macrophages and functions as a mitogen-inducible cytokine. MIP-1 β signals through the chemokine receptor CCR5 to chemoattract immune cells. MIP-1 β induces inflammatory responses, including neutrophil superoxide production. The MIP-1 β and MIP-1 α heterodimer exhibits antiviral activity against the human immunodeficiency virus 1 (HIV-1).

Gene ID: 20303

UniProt ID: Q5QNV9

Source: *E. coli*

Molecular Weight: Monomer, 7.8 kDa (69 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 EU/µg by kinetic LAL analysis

Biological Activity: Activity determined by THP-1 chemotaxis assay, acceptance ≤ 100 ng/mL

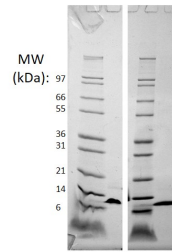
Amino Acid Sequence: APMGSDPPTS CCFSYTSRQL HRSFVMDYYE TSSLCSKPAV VFLTKRGRQI
CANPSEPWWT EYMSDLELN

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: **Upon receipt,** store as supplied at -20°C to -80°C. for up to one year. **Upon reconstitution,** the preparation is stable for up to one month at 2-8°C. **For long term storage,** reconstitute in working aliquots in 0.1% BSA solution and store at -80°C. **Avoid repeated freeze-thaw cycles.**



Reduced: - +



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.

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



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