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Ccl3
Recombinant Rat Macrophage Inflammatory Protein 1 alpha

Catalog No.	CRM402A	**Quantity:**	5 µg
	CRM402B		20 µg
	CRM402C		1.0 mg
	CRM402D		100 µg

Alternate Names: Macrophage Inflammatory Protein 1-alpha, MIP-1-alpha, CCL3, C-C chemokine 3, small inducible cytokine A3, Scya3

Description: Macrophage Inflammatory Protein-1 alpha (MIP-1alpha), also known as CCL3, is produced by macrophages and is thought to induce inflammatory responses, including superoxide production by neutrophils. MIP-1alpha can exist as a naturally occurring heterodimer with MIP-1beta and has been shown to have antiviral activity against HSV-1.

Gene ID: 25542

Protein Accession No: P50229

Source: *E. coli*

Molecular Weight: 7.9 kDa (69 aa)

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥ 95%, determined by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg by kinetic LAL

Biological Activity: This product demonstrates dose-dependent chemotaxis with human PBMC starting at 10 ng/mL.

Amino Acid Sequence: APYGADTPTA CCFSYGRQIP RKFIADYFET SSLCSQPGVI FLTKRNRQIC ADPKETWVQE YITELELNA

Reconstitution: **Centrifuge vial prior to opening**. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Storage & Stability: Store as supplied at -20°C to -80°C. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage. **Avoid repeated freeze/thaw cycles.**

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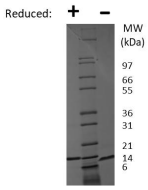

Rat MIP-1 alpha / CCL3 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat MIP-1 alpha / CCL3 is a noncovalent homodimer and therefore has a predicted MW of 7.9 kDa when run under both reducing and non-reducing conditions.

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

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