

Murine MIP-1 alpha / CCL3

Synonyms: Small inducible cytokine A3, CCL3, Macrophage inflammatory protein 1-alpha, MIP-1-alpha, Tonsillar lymphocyte LD78 alpha protein, G0/G1 switch regulatory protein 19-1, G0S19-1 protein, SIS-beta, PAT 464.1, chemokine (C-C motif) ligand 3, MIP1A, SCYA3, G0S

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	4610.960.002		
10 µg	4610.960.010		
1 mg	4610.960.199		

Please enquire for bulk quantities and other vial sizes

Description

Macrophage Inflammatory Protein-1 alpha Murine Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7820 Dalton.

- **Source** *E. Coli*
- **Purity** ≥ 99 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from 1mg/ml solution containing no additives*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The Activity is calculated by the ability to chemoattract of Balb3/C splenocytes using 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized MIP-1a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be, Ala-Pro-Tyr-Gly-Ala.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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