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Recombinant Rat MIP-1α (CCL3)

Catalog # PBG10306

Specification

Recombinant Rat MIP-1α (CCL3) - Product Information

Recombinant Rat MIP-1α (CCL3) - Additional Information

Description
Both MIP-1α and MIP-1β are structurally and functionally related CC chemokines. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. While both MIP-1α and MIP-1β exert similar effects on monocytes their effect on lymphocytes differ; with MIP-1α selectively attracting CD8+ lymphocytes and MIP-1β selectively attracting CD4+ lymphocytes. Additionally, MIP-1α and MIP-1β have also been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. Both human and murine MIP-1α and MIP-1β are active on human and murine hematopoietic cells. Recombinant rat MIP-1α is a 7.8 kDa protein containing 69 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

BiologicalActivity
Assay#1: Determined by its ability to chemoattract rat peritoneal macrophages using a concentration of 50.0-100.0 ng/ml.

 Assay#2: Determined by its ability to chemoattract human blood monocytes using a concentration range of 10.0-100.0 ng/ml.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ μg of protein (<1EU/ μg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Recombinant Rat MIP-1α (CCL3) is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Rat MIP-1α (CCL3) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Recombinant Rat MIP-1α (CCL3) - Images