

MIP-1gamma Murine E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG20101005	(5 µg)
Species: Murine	RBG20101020	(20 µg)
Other names: Macrophage Inflammatory Protein-1?, CCL9/10, MRP2, CCF18	RBG20101100	(100 µg)

Description

MIP-1 γ is a CC chemokine found in murine blood and a wide variety of murine tissues, with no known human homolog. MIP-1 γ signals through the CCR1 receptor. MIP-1 γ chemoattracts neutrophils, and also inhibits colony formation of bone marrow myeloid immature progenitors. MIP-1 γ contains six cysteines, including the four highly conserved cysteine residues present in CC chemokines. Recombinant Murine MIP-1 γ is an 11.6 kDa protein containing 101 amino acid residues.

Research topic

Chemokines

Amino Acid Sequence

QITHATETKE VQSSLKAQQG LEIEMFHMGF QDSSDCCLSY NSRIQCSRFI GYFPTSGGCT RPGIIFISKR GFQVCANPSD
RRVQRCIERL EQNSQPRTYK Q

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human neutrophils using a concentration range of 0.1-10.0 ng/ml.

Endotoxin

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

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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