

32-1963: mMIP-1g Recombinant Protein

Alternative Name : CCL9/10,MRP2,CCF18.

Description

Source : Escherichia Coli. MIP-1 gamma Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 101 amino acids and having a molecular mass of 11.6 kDa. The MIP-1 gamma is purified by proprietary chromatographic techniques. Mouse MIP-1 gamma is 75% identical in its amino acid composition as compared to the rat specie. MIP-1 gamma is a CC chemokine localized in murine blood and a widespread range of murine tissues, without having an identified human homolog. MIP-1 gamma signals through the CCR1 receptor. MIP-1 gamma chemoattracts neutrophils and also inhibits colony formation of bone marrow myeloid immature progenitors. MIP-1 gamma has six cysteines including the four highly conserved cysteine residues present in CC chemokines.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The MIP-1 gamma was lyophilized from 1xPBS solution pH-7.4.
Storage condition :	Lyophilized MIP-1 gamma although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL9/10 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 prevent freeze-thaw cycles.
Amino Acid :	QITHATETKE VQSSLKAQQG LEIEMFHMGF QDSSDCCLSY NSRIQCSRFI GYFPTSGGCT RPIIFISKR GFQVCANPSD RRVQRCIERL EQNSQPRTYK Q.

Application Note

It is recommended to reconstitute the lyophilized MIP-1 gamma in sterile 18M-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Defined by its ability to chemoattract human neutrophils using a concentration range of 0.1-10 ng/ml, corresponding to a Specific Activity of 10,000-100,000IU/mg.