

MIP-1 Gamma Mouse

Description: 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.

Catalog #: CHPS-264

For research use only.

Synonyms: CCL9/10, MRP2, CCF18.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: QITHATETKE VQSSLKAQQG LEIEMFHMGE QDSSDCCLSY
NSRIQCSRFI GYFPTSGGCT RPIIFISKR GFQVCANPSD RRVQRCIERL EQNSQPRTYK Q.

Purity: Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

The MIP-1 gamma was lyophilized from 1xPBS solution pH-7.4.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized MIP-1 gamma in sterile 18M-cm H₂O not less than 100

Introduction:

Mouse MIP-1 gamma is 75% identical in its amino acid composition as compared to the rat species. 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.

Biological Activity:

Defined by its ability to chemoattract human neutrophils using a concentration range of 0.1-10 ng/ml, corresponding to a Specific Activity of 10,000-100,000 IU/mg.

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