

C-C motif chemokine 12 (CCL12), Mouse

Cat.no. PK0291

Product size: 10ug 50ug 1mg

Source: CHO

Species: Mouse

Biological Activity: The EC₅₀ value of mouse MCP-5/CCL12 on Ca²⁺ mobilization assay in CHO-K1/Gα15/mCCR2 cells (human Gα15 and mouse CCR2 stably expressed in CHO-K1 cells) is less than 0.5 µg/ml.

Molecular Weight: 9.3-11 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 98% by SDS-PAGE analyses.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Mouse MCP-5/CCL12 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse MCP-5/CCL12 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Description: Monocyte Chemotactic Protein-5(MCP-5), also known as Chemokine (C-C motif) ligand 12(CCL12), is a small cytokine belonging to the CC chemokine family that has been characterized in mice. Due to its similarity with human chemokine MCP-1, sometimes it is called MCP-1-related chemokine. MCP-5 specifically attracts eosinophils, monocytes and lymphocytes. It can signal through the CCR2 receptor. Recombinant Mouse MCP-5/CCL1 produced in CHO cells is a polypeptide chain containing 82 amino acids.

Amino Acid Sequence:

00001 GPDAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA

00041 VIFRTILDKE ICADPKEKWV KNSINHLDKT SQTFILPSC

00081 LG

Synonyms: C-C motif chemokine 12, MCP-1-related chemokine, Monocyte chemoattractant protein 5, Monocyte chemotactic protein 5, MCP-5, Small-inducible cytokine A12, Ccl12, Mcp5, Scya12

Note: For research use only, not for use in diagnostic procedure.