

DATASHEET
Version 20181206**MCP-5/CCL12, Mouse****Cat. No.:** Z03283-10**Size:** 10.0 ug**Synonyms:** MCP-5, Monocyte Chemotactic Protein-5, CCL12**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/CCL12 produced in CHO cells is a polypeptide chain containing 82 amino acids. A fully biologically active molecule, rmMCP-5/CCL12 has a molecular mass of 11 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

00001 GPDAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA
00041 VIFRTILDKE ICADPKKEKWV KNSINHLDKT SQTFLEPSC
00081 LG

Source: CHO**Species:** Mouse**Biological Activity:** The EC₅₀ value of mouse MCP-5/CCL12 on Ca²⁺ mobilization assay in CHO-K1/G15/mCCR2 cells (human G15 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% as analyzed by SDS-PAGE.**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.