

C-C motif chemokine 7 (CCL7), Mouse

Cat.no. PK0290

Product size: 10ug 50ug 1mg

Source: CHO

Species: Mouse

Biological Activity: The EC₅₀ value of mouse MCP 3 MARC/CCL7 on Ca²⁺ mobilization assay in CHO-K1/ Gα15/mCCR2 cells (human Gα15 and mouse CCR2 stably expressed in CHO-K1 cells) is less than 1 µg/ml.

Molecular Weight: 8~12 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-3/CCL7 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse MCP-3/CCL7 should be stable up to 1 week at 4°C or up to 3 months at -20°C.

Description: Chemokine (C-C motif) ligand 7 (CCL7) is a small cytokine that was previously called monocyte-specific chemokine 3 (MCP-3). Due to CCL7 possessing two adjacent N-terminal cysteine residues in its mature form, it is classified within the subfamily of chemokines known as CC chemokines. CCL7 specifically attracts monocytes, and regulates macrophage function. It is produced by certain tumor cell lines and by macrophages. This chemokine is located on chromosome 17 in humans, within a large cluster containing many other CC chemokines and is most closely related to CCL2. CCL7 can signal through the CCR1, CCR2 and CCR3 receptors. Recombinant Mouse MCP-3/CCL7 produced in CHO cells is a polypeptide chain containing 74 amino acids.

Amino Acid Sequence:

00001 QPDGPNASTC CYVKKQKIPK RNLKSYRRIT SSRCPWEAVI

00041 FKTKKGMEVC AEAHQKWVEE AIAYLDMKTP TPKP

Synonyms: C-C motif chemokine 7, Monocyte chemoattractant protein 3, Monocyte chemotactic protein 3, MCP-3, NC28, Small-inducible cytokine A7, CCL7, MCP3, SCYA6, SCYA7

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