

Ccl7

Recombinant Rat Monocyte Chemotactic Protein-3/CCL7

Catalog No.	CS367A CS367B CS367C	Quantity:	2 µg 10 µg 1 mg
Alternate Names:	CCL7, MARC		
Description:	<p>Monocyte Chemotactic Protein-3 (MCP3) and CCL7 are two monocyte chemotactic proteins produced by human MG63 osteosarcoma cells. Both MCP3 and CCL7 are members of the CC family of chemokines and share 62% and 71% amino acid sequence identity, respectively, with MCP1. CCL7 also shares 58% amino acid identity with MCP3. Similarly to other CC chemokines, all three MCP proteins are monocyte chemoattractants. In addition, the three MCPs can chemoattract activated NK cells as well as CD4+ and CD8+ T lymphocytes. All three cytokines have also been shown to attract eosinophils and induce histamine secretion from basophils.</p>		
Gene ID:	287561		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 8.4 kDa, a single, non-glycosylated polypeptide chain containing 74 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human monocytes is in a concentration range of 100-300 ng/ml.		
Amino Acid Sequence:	QPDGTNSSTC CYVKKQKIPK RNLKSYRKIT SSRCPWEAVI FKTKKGMEVC AEAHQKWVEE AIAYLDMKTS TPKP		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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