

Monocyte Chemotactic Protein-5 Mouse Recombinant (CCL12)

Item Number	rAP-0192
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.
Description	MCP-5 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 82 amino acids and having a molecular mass of 9.3kDa. The MCP5 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q62401
Amino Acid Sequence	GPDAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA VIFRTILDKE ICADPKEKWW KNSINHLDKT SQTFILEPSC LG.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized CCL12 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MCP5 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.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized MCP5 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 10.0-50.0 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**