

Monocyte Chemotactic Protein-2 Canine Recombinant (CCL8)

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| Item Number | rAP-0196 |
| Synonyms | C-C motif chemokine 8, Monocyte chemoattractant protein 2, Monocyte chemotactic protein 2, MCP-2, Small-inducible cytokine A8, CCL8, MCP2. |
| Description | MCP2 Canine Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 76 amino acids and having a molecular mass of 8.8kDa. The CCL8 is purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | Q68AY9 |
| Amino Acid Sequence | QPDSVSIPIT CCFSMV KRKI PMQKLESYMR ITNSQCPQEA VIFKTKASRE ICADPKQKWW QDYMNHLDQK SQAQKP. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MCP-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL8 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 | MCP-2 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. |
| Application | |
| Solubility | It is recommended to reconstitute the lyophilized MCP2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| Biological Activity | The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 10-100 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**