

Recombinant Murine Monocyte Chemotactic Protein-5/CCL12

Catalog No: #AP60353

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Package Size: #AP60353-1 5ug #AP60353-2 100ug #AP60353-3 500ug

Description

Product Name	Recombinant Murine Monocyte Chemotactic Protein-5/CCL12
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	MCP-1-related Chemokine, Small-inducible Cytokine A12
Uniprot	Q62401
GeneID	20293
Calculated MW	Approximately 9.3 kDa, a single non-glycosylated polypeptide chain containing 82 amino acids.
Target Sequence	GPDAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA VIFRTILDKE ICADPKEKWV KNSINHLDKT SQTFILEPSC LG
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Murine CCL12 is belonging to the CC chemokine family. It shows 66 % amino acid sequence identity to human MCP-1. CCL12 has been shown to be a potent chemoattractant for monocytes and lymphocytes but not neutrophils. At high concentrations, it will also chemoattract eosinophils. CCL12 can induce a calcium flux in human HEK-293 cells transfected with murine CCR2, but can not induce a calcium flux in HEK-293 cells transfected with CCR1, CCR3, or CCR5. That shows the functional receptor of CCL12 is CCR2.

Note: This product is for in vitro research use only