

MEC/CCL28

Catalog # PVGS1077

Product Information

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| Primary Accession Species | Q9JIL2 Mouse |
| Sequence | Ser20-Arg130 |
| Purity | > 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC |
| Endotoxin Level Biological Activity | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine lymphocytes is in a concentration range of 1.0-10.0 ng/ml. |
| Expression System | E. coli |
| Theoretical Molecular Weight | 12.6 kDa |
| Formulation | Lyophilized from a 0.2 μ m filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl. |
| Reconstitution | It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. |
| Storage & Stability | Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles. |

Additional Information

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| Gene ID | 56838 |
| Other Names | C-C motif chemokine 28, Small-inducible cytokine A28, Ccl28, Scya28 |
| Target Background | Mouse CCL28 (CC chemokine ligand 28) is a novel CC chemokine cloned from a Rag1 mouse kidney cDNA library. Human and mouse CCL28 are highly conserved, sharing 83% aa identity in their mature regions. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. The mouse CCL28 gene has been mapped to the distal region of chromosome 13. Mouse CCL28 is produced by epithelial cells. Based on Northern blot analysis, it is mainly expressed in testes, kidney and brain. The receptor for CCL28 has been identified as the CCR10 (GPR2 orphan receptor) which is also the receptor for CCL27/CTACK. |

Protein Information

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| Name | Ccl28 |
| Synonyms | Scya28 |
| Function | Chemotactic for resting CD4, CD8 T-cells and eosinophils (By similarity). Binds to CCR10 and induces calcium mobilization in a dose- dependent manner. |
| Cellular Location | Secreted. |
| Tissue Location | Mainly expressed in testis, epithelial cells of normal colon, kidney, Peyer patches, lymph nodes. Also found in lower levels in brain, spleen and lung |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.