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MEC/CCL28
Catalog # PVGS1077

Specification

MEC/CCL28 - Product Information

Primary Accession Q9JIL2

Species
Mouse

Sequence
Ser20-Arg130

Purity
> 97% as analyzed by SDS-PAGE
> 97% as analyzed by HPLC

Endotoxin Level
< 1 EU/ µg of protein by LAL method

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 µm 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.

MEC/CCL28 - Additional Information

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.

MEC/CCL28 - Protein Information

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

MEC/CCL28 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MEC/CCL28 - Images