

Rev03
Update: Dec,14,2021

DATASHEET

MEC/CCL28, Mouse

Cat. No.: Z02857

Product Introduction

Species	Mouse
Protein Construction	CCL28 (Ser20-Arg130) Accession # Q9JIL2
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.

Background

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.

Synonyms : Chemokine (C-C motif) ligand 28; CCL-28; SCYA28; MGC71902; Small-inducible cytokine A28; Mucosae-associated epithelial chemokine; Protein CCK1

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.