Rev03
Update: Dec,14,2021

DATASHEET

C10/CCL6, Mouse

Cat. No.: Z02952

Product Introduction

Species	Mouse
Protein Construction	CCL6 (Gly22-Ala116) Accession # P27784
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 biologically active determined by a chemotaxis bioassay using human CCR1 transfected murine BaF3 cells is in a concentration range of 10.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	10.7 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in 20 mM Tris, pH 8.0, 500 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 : Chemokine (C-C motif) ligand 6 (CCL6) is a small cytokine belonging to the CC chemokine family that has only been identified in rodents. Murine C10 is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4. It signals primarily through the CCR1 receptor. C10 is chemotactic for B cells, $CD4^+$ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. The C10 contains the four highly conserved cysteine residues present in CC chemokines.

Synonyms : C-C motif chemokine 6; Protein C10; Small-inducible cytokine A6; Scya6

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

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