

Datasheet for ABIN6699659

CCL8 Protein**2** Images[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	CCL8
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Mouse Monocyte Chemotactic Protein-2 (CCL8) Recombinant Protein
Purification:	Monocyte Chemotactic protein-2 (CCL8) purity was determined to be greater than 98% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is currently undetermined.

Target Details

Target:	CCL8
Alternative Name:	Ccl8 (CCL8 Products)
Background:	Synonyms: HC14, Monocyte chemoattractant protein 2, Monocyte chemotactic protein 2 (MCP-2), Small-inducible cytokine A8

Target Details

Background: Monocyte Chemotactic protein 2 (MCP-2), also known as CCL8, is implicated in allergic responses through its ability to activate mast cells, eosinophils, and basophils. MCP-2 is known to signal through several G protein-coupled receptors including, CCR1, CCR2B, and CCR5. Recombinant mouse MCP-2 is a non-glycosylated protein, containing 74 amino acids, with a molecular weight of 8.5 kDa.

UniProt: [Q9Z121](#)

Application Details

Application Notes: Other: User Optimized
Application_Note: Monocyte Chemotactic Protein-2 Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Monocyte Chemotactic Protein-2 in immunological assays.

Comment: Suggested_Applications: Cellular Assay
Other_Performance_Data:

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 20 µL (20-200 µL)

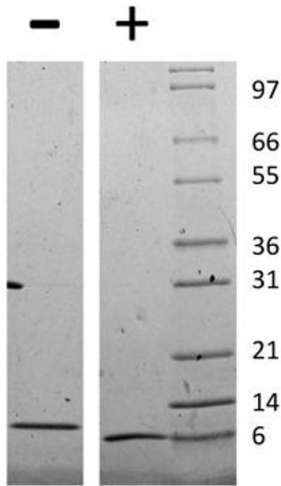
Buffer: Buffer: 0.1 % Trifluoroacetic acid
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C, -20 °C

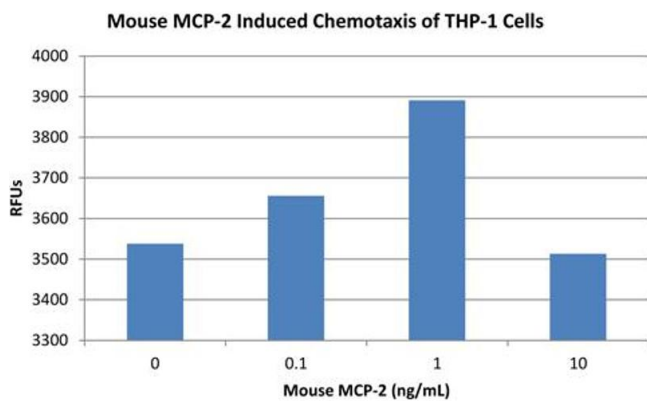
Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



SDS-PAGE

Image 1. SDS-PAGE of Mouse Monocyte Chemotactic Protein-2 (CCL8) Recombinant Protein. Lane 1: 1 μ g Mouse MCP-2 in non-reducing conditions. Lane 2: 1 μ g Mouse MCP-2 in reducing conditions (+). Lane 3: Molecular weight marker. Mouse MCP-2 has a predicted MW of 8.5 kDa.



SDS-PAGE

Image 2. SDS-PAGE of Mouse Monocyte Chemotactic Protein-2 (CCL8) Recombinant Protein Bioactivity of Mouse Monocyte Chemotactic Protein-2 (CCL8) Recombinant Protein. Human THP-1 cells were allowed to migrate to Mouse MCP-2 at (0, 0.1, 1, and 10ng/mL). After 45 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Mouse MCP-2 starting at 1 ng/mL. This value is comparable to expected ranges of a chemotactic response of primary human monocytes.