

Datasheet for ABIN6719838  
**CCL2 ELISA Kit**



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1 Image

## Overview

Quantity:	1 kit
Target:	CCL2
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

## Product Details

Purpose:	Mouse MCP-1 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse MCP-1. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 6 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: CCL2

Alternative Name: MCP-1 ([CCL2 Products](#))

Background: Synonyms: C-C motif chemokine 2, CCL2, CCL2\_HUMAN, Chemokine (C-C motif) ligand 2, GDCF-2, HC11, HSMCR30, MCAF, MCP-1, MCP1, MGC9434, Monocyte chemoattractant protein 1, Monocyte chemoattractant protein-1, Monocyte chemotactic and activating factor, Monocyte chemotactic protein 1, Monocyte secretory protein JE, SCYA2, Small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je), Small inducible cytokine subfamily A (Cys-Cys) member 2, Small-inducible cytokine A2, SMC-CF

Background: Monocyte chemotactic protein-1(MCP-1) is a member of the small inducible gene(SIG) family. It has been shown to play a role in the recruitment of monocytes to sites of injury and infection. By analysis of a panel of somatic cell hybrids, we have localized the MCP-1 gene, designated SCYA2, to human chromosome 17. In situ hybridization confirmed this assignment and further localized the gene to 17q11.2-q21.1. MCP-1 plays a unique and crucial role in the initiation of atherosclerosis and may provide a new therapeutic target in this disorder. Monocyte chemoattractant protein-1(MCP-1), regulated on activation, normal T cell expressed and secreted, and stimulation of monocytes from healthy carriers of the genotype GG with Mycobacterium tuberculosis antigens yielded higher MCP-1. The standard used in this kit is recombinant mouse MCP-1(Q24-R96) with the molecular mass of 8.5Kda.

Gene ID: 20296

NCBI Accession: [NP\\_035463](#)

UniProt: [P10148](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

## Application Details

**Application Notes:** Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse MCP-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates or serum to each empty well. It is recommended that each mouse MCP-1 standard solution and each sample be measured in duplicate.

**Comment:** Standard: Expression system for standard: E.coli, Immunogen sequence: Q24-R96

**Sample Volume:** 100  $\mu$ L

**Plate:** Pre-coated

**Restrictions:** For Research Use only

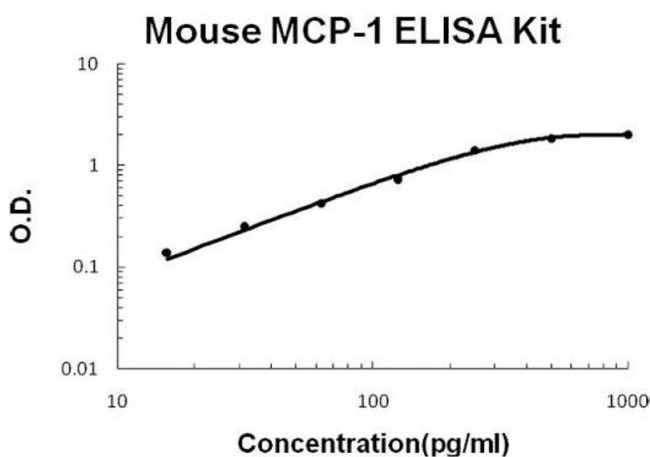
## Handling

**Storage:** 4 °C, -20 °C

**Storage Comment:** Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

**Expiry Date:** 12 months

## Images



### ELISA

**Image 1.** Mouse MCP-1 Accusignal ELISA Kit Mouse MCP-1 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <6pg/ml.