

Mouse MCP-1/CCL2 ELISA Kit | CCL2 elisa kit

MCP-1/CCL2 ELISA Kit, Mouse

CATALOG #
AAA258577

REACTIVITY
Mouse

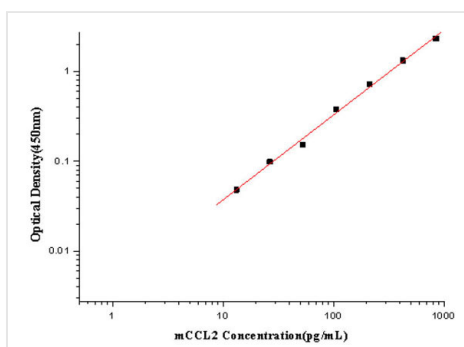
PRODUCT SYNONYMS

MCP-1/CCL2; MCP-1/CCL2 ELISA Kit; Mouse; Mouse MCP-1/CCL2 ELISA Kit; AI323594 ELISA Kit; HC11 ELISA Kit; JE ELISA Kit; MCAF ELISA Kit; MCP-1 ELISA Kit; MCP1 ELISA Kit; Scya2 ELISA Kit; Sigje ELISA Kit; SMC-CF ELISA Kit; chemokine (C-C motif) ligand 2; CCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes both recombinant and natural Mouse CCL2. The factors listed below were prepared at 50 ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Cross-reactivity was observed to be 6.0% with 25 ng/mL of recombinant Human CCL7.
Assay Type	Quantitative Sandwich
Samples	Cell culture supernates
Sensitivity	< 4.15 pg/mL
Intra-assay Precision	Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in five separate assays to assess inter-assay precision.
Preparation and Storage	Unopened Kit: Store at 2-8 degree C Opened/Reconstituted Reagents: Please refer to CoA

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL2 elisa kit	Background: Monocyte chemoattractant protein 1 (MCP-1), also called CCL2, belongs to a group of CC chemokines located in chromosome 17q11.2. MCP-1 protein interacts with chemokine C-C motif receptor 2 (CCR2) to activate and recruit monocytes, macrophages, CD4+ T cells and immature dendritic cells to the site of infection [7-9]. The presence of MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance. Principle of the Assay: The principle of this ELISA kit is based on the solid phase sandwich enzyme immunoassay technique. A monoclonal antibody specific for Mouse MCP-1/CCL2 has been pre-coated onto well plate strips. Standards and samples are added to the wells and Mouse MCP-1/CCL2 present in the sample is bound by the immobilized antibody. After incubation the wells are washed and a horseradish peroxidase conjugated anti-Mouse MCP-1/CCL2 antibody is added, producing an antibody-antigen-antibody "sandwich complex". Following a wash to remove any unbound antibody a TMB substrate solution is loaded and color develops in proportion to the amount of Mouse MCP-1/CCL2 bound. The reaction is stopped by the addition of a stop solution and the intensity of the color can be measured at 450 nm (See schematics below). Intended Uses: For the quantitative determination of Mouse MCP-1/CCL2 concentration in cell culture supernates.
Product Categories/Family for CCL2 elisa kit	Neuroinflammation; IL17 signaling pathway
References	Vásquez-Loarte T, Trubnykova M, Guio H. Genetic association meta-analysis: a new classification to assess ethnicity using the association of MCP-1 -2518 polymorphism and tuberculosis susceptibility as a model. BMC Genetics. 2015;16:128.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.