

Mouse MCP-1 ELISA Kit | CCL2 elisa kit

Mouse MCP-1 PicoKine ELISA Kit

CATALOG #
AAA11525

REACTIVITY
Mouse

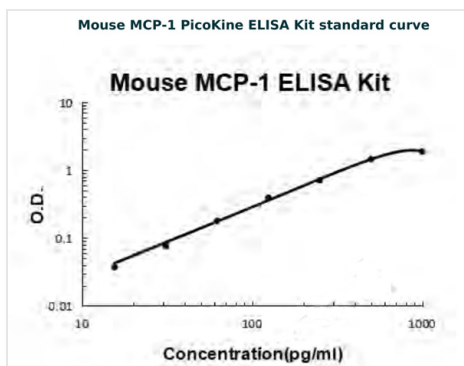
PRODUCT SYNONYMS

MCP-1; Mouse MCP-1 PicoKine ELISA Kit; C-C motif chemokine 2; chemokine (C-C motif) ligand 2; CCL2; CCL2_HUMAN; Chemokine (C-C motif) ligand 2; GDCF-2; HC11; HSMCR30; MCAF; 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; CCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Ccl2
Sequence Length	148
Samples	Cell culture supernatants and serum
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<6 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in separate assays to assess interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL2 elisa kit	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. Principle of the Assay: The Picokine™ Mouse Ccl2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Ccl2 with a 96-well strip plate that is pre-coated with antibody specific for Ccl2. The detection antibody is a biotinylated antibody specific for Ccl2. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Ccl2 with immunogen: Expression system for standard: E.coli; Immunogen sequence: Q24-R96. The kit is analytically validated with ready-to-use reagents. To measure Mouse Ccl2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Ccl2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Ccl2 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126844
NCBI GeneID	20296
UniProt Accession #	P10148; Q9QYD7
Molecular Weight	16,326 Da
NCBI Official Full Name	C-C motif chemokine 2
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 2
NCBI Official Symbol	Ccl2
NCBI Official Synonym Symbols	JE; HC11; MCAF; MCP1; MCP-1; Scya2; Sigje; SMC-CF; AI323594
NCBI Protein Information	C-C motif chemokine 2; small inducible cytokine A2; small-inducible cytokine A2; monocyte chemotactic protein 1; monocyte chemoattractant protein 1; monocyte chemoattractant protein-1; platelet-derived growth factor-inducible protein JE
UniProt Protein Name	C-C motif chemokine 2
UniProt Gene Name	Ccl2
UniProt Synonym Gene Names	Je; Mcp1; Scya2; MCP-1
UniProt Entry Name	CCL2_MOUSE

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.