

Human MCP-1 ELISA Kit | MCP-1 elisa kit

Human MCP-1 (Monocyte Chemotactic Protein 1) ELISA Kit

CATALOG #
AAA164496

REACTIVITY
Human

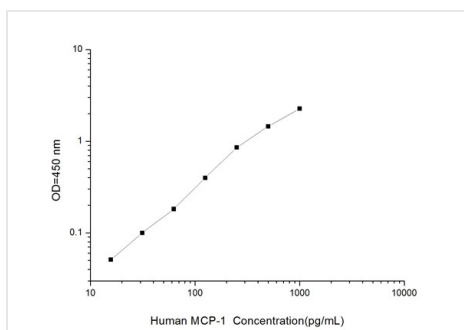
PRODUCT SYNONYMS

MCP-1; Human MCP-1 (Monocyte Chemotactic Protein 1) ELISA Kit; MCP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human MCP-1 in samples. No significant cross-reactivity or interference between Human MCP-1 and analogues was observed.
Sequence Length	99
Assay Type	Quantitative Sandwich
Samples	Serum and plasma, please inquire if your samples are other biological fluids
Detection Range	62.5-4000pg/mL
Sensitivity	37.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human MCP-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human MCP-1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCP-1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human MCP-1. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human MCP-1 and Avidin- Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human MCP-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Human MCP-1. You can calculate the concentration of Human MCP-1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human MCP-1 concentrations in serum and plasma, please inquire if your samples are other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	545465
NCBI GeneID	6347
UniProt Accession #	P13500; Q9UDF3; B2R4V3
Molecular Weight	11,025 Da
NCBI Official Full Name	MCP-1
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 2
NCBI Official Symbol	CCL2
NCBI Official Synonym Symbols	HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30
NCBI Protein Information	C-C motif chemokine 2; monocyte chemoattractant protein 1; monocyte chemoattractant protein-1; monocyte chemotactic and activating factor; monocyte chemotactic protein 1; monocyte secretory protein JE; 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
UniProt Protein Name	C-C motif chemokine 2
UniProt Gene Name	CCL2
UniProt Synonym Gene Names	MCP1; SCYA2; MCAF; MCP-1
UniProt Entry Name	CCL2_HUMAN

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.