

Human Monocyte Chemotactic Protein 4 (MCP4) ELISA Kit | MCP4 elisa kit

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CATALOG #
AAA149019

REACTIVITY
Human

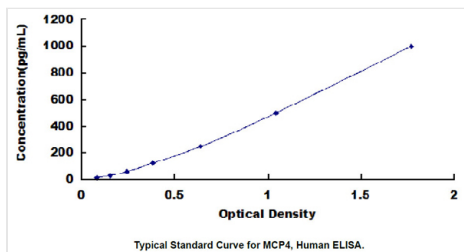
PRODUCT SYNONYMS

Monocyte Chemotactic Protein 4 (MCP4); Human Monocyte Chemotactic Protein 4 (MCP4) ELISA Kit; CCL13; SCYA13; NCC1; SCYL1; CKb10; Chemokine C-C-Motif Ligand 13; Small Inducible Cytokine Subfamily A(Cys-Cys)Member 13; CK-beta-10; Monocyte chemoattractant 4; MCP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MCP4. No significant cross-reactivity or interference between MCP4 and analogues was observed.
Sequence Length	98
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MCP4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MCP4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCP4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MCP4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MCP4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MCP4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MCP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MCP4 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for MCP4 elisa kit	Cytokine; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	4097421
NCBI GeneID	6357
Molecular Weight	10,986 Da
NCBI Official Full Name	monocyte chemotactic protein-4
NCBI Official Synonym Full Names	C-C motif chemokine ligand 13
NCBI Official Symbol	CCL13
NCBI Official Synonym Symbols	NCC1; CKb10; MCP-4; NCC-1; SCYL1; SCYA13
NCBI Protein Information	C-C motif chemokine 13
UniProt Protein Name	C-C motif chemokine 13
UniProt Gene Name	CCL13
UniProt Synonym Gene Names	MCP4; NCC1; SCYA13; MCP-4

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/monocyte-chemotactic-protein-4-mcp4/149019>