

Mouse Monocyte Chemotactic Protein 1 ELISA Kit | MCP-1 elisa kit

Mouse Monocyte Chemotactic Protein 1 ELISA Kit

CATALOG #
AAA101425

REACTIVITY
Mouse

PRODUCT SYNONYMS

Monocyte Chemotactic Protein 1; Mouse Monocyte Chemotactic Protein 1 ELISA Kit; MCP-1/CCL2/GDCF-2/HC11/HSMCR30/MCAF/MCP1/SCYA2/SMC-CF; MCP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MCP-1. No significant cross-reactivity or interference between MCP-1 and analogues was observed.
Sequence Length	44
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MCP-1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MCP-1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a MCP-1 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.078	0.173	0.267	0.527	1.035	1.745	2.479	3.058

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCP-1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MCP-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MCP-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MCP-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MCP-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	663497593
Molecular Weight	5,028 Da
NCBI Official Full Name	monocyte chemotactic protein-1, partial
UniProt Protein Name	Monocyte chemotactic protein-1
UniProt Gene Name	MCP-1
UniProt Entry Name	A0A075IJR0_MUSPF

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/mcp-1-mouse-elisa-kits/monocyte-chemotactic-protein-1/101425>