

Human Membrane Cofactor Protein (MCP) ELISA Kit | MCP elisa kit

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CATALOG #
AAA140205

REACTIVITY
Human

PRODUCT SYNONYMS

Membrane Cofactor Protein (MCP); Human Membrane Cofactor Protein (MCP) ELISA Kit; CD46; MIC10; TLX; TRA2; Trophoblast leukocyte common antigen; CD46 Molecule; Complement Regulatory Protein; Complement Regulatory protein; MCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MCP. No significant cross-reactivity or interference between MCP and analogues was observed.
Sequence Length	336
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, urine, saliva and other biological fluids
Detection Range	12.5-800pg/mL
Sensitivity	< 5.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MCP 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 MCP 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.

ADDITIONAL INFORMATION

Related Product Information for MCP elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MCP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MCP. 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 MCP, 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 MCP 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 MCP in human serum, plasma, urine, saliva and other biological fluids.
Product Categories/Family for MCP elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	262938
NCBI GeneID	4179
UniProt Accession #	P15529; Q15429; Q53GV9; Q5HY94; Q5VWS6; Q5VWS7; Q5VWS8; Q5VWS9; Q5VWT0; A0T1T0; A0T1T1; A0T1T2
Molecular Weight	36,826 Da
NCBI Official Full Name	membrane cofactor protein
NCBI Official Synonym Full Names	CD46 molecule, complement regulatory protein
NCBI Official Symbol	CD46
NCBI Official Synonym Symbols	MCP; TLX; AHUS2; MIC10; TRA2.10
NCBI Protein Information	membrane cofactor protein
UniProt Protein Name	Membrane cofactor protein
UniProt Gene Name	CD46
UniProt Synonym Gene Names	MCP; MIC10
UniProt Entry Name	MCP_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/membrane-cofactor-protein-mcp/140205>