

Human Monocyte Chemotactic Protein 5 ELISA Kit | MCP 5 elisa kit

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CATALOG #
AAA94851

REACTIVITY
Human

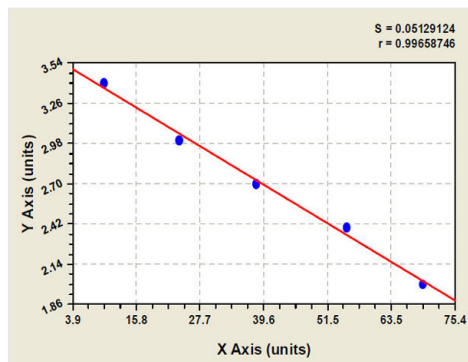
PRODUCT SYNONYMS

Monocyte Chemotactic Protein 5; Human Monocyte Chemotactic Protein 5 ELISA Kit; MCP 5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This MCP-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MCP-5. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCP 5 elisa kit

Principle of the assay: MCP-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MCP-5 antibody and an MCP-5-HRP conjugate. The assay sample and buffer are incubated together with MCP-5-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MCP-5 concentration since MCP-5 from samples and MCP-5-HRP conjugate compete for the anti-MCP-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by MCP-5 from the sample, fewer sites are left to bind MCP-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MCP-5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386854083
NCBI GeneID	12797686
NCBI Accession #	YP_006203368.1
NCBI GenBank Nucleotide #	NC_017717.1
Molecular Weight	70,909 Da
NCBI Official Full Name	Mcp-5
NCBI Official Symbol	mcp-5
NCBI Protein Information	Mcp-5; Methyl-accepting chemotaxis protein
UniProt Protein Name	Mcp-5
UniProt Gene Name	mcp-5
UniProt Synonym Gene Names	KK9_0714
UniProt Entry Name	G8QES7_BORGR

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.