

Human MCP-1 / CCL2 ELISA Kit | MCP-1 / CCL2 elisa kit

MCP-1 / CCL2 Human ELISA Kit

CATALOG # AAA58897	REACTIVITY Human	APPLICATIONS ELISA
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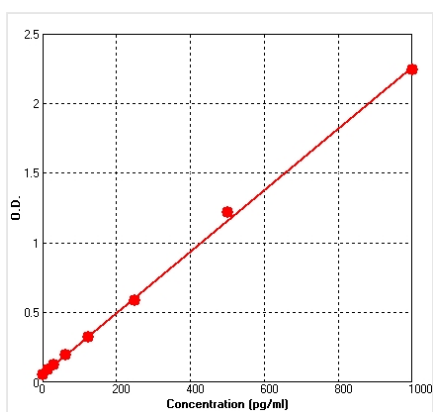
PRODUCT SYNONYMS

MCP-1 / CCL2; MCP-1 / CCL2 Human ELISA Kit; Human MCP-1 / CCL2; MCP-1 / CCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 1 pg/ml
Applicable Applications for MCP-1 / CCL2 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCP-1 / CCL2 elisa kit	Principle of the assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MCP-1 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MCP-1 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex 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. Background: Monocyte chemotactic protein-1(MCP-1), known as chemmkin(C-C motif) ligand 2(CCL2) or small inducible cytokine A2, is a small cytokine belonging to the CC chemokine family. The CCL2 gene is located on chromosome 17 (17q11.2-q21.1) in humans, and spans 1, 927 bases. It has three exons and two introns, and produced as a protein precursor containing signal peptide of 23 amino acids and a mature peptide of 76 amino acids. The predicted weight is 11.025 kiloDaltons (kDa). MCP-1 has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It induces amylin expression through ERK1/ ERK2/ JNK-AP1 and NF-kappaB related signaling pathways independent of CCR2. Amylin upregulation by CCL2 may contribute to elevation of plasma amylin in obesity and insulin resistance.
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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/mcp-1-ccl2/58897>