

Canine Monocyte Chemotactic Protein 4 ELISA Kit | MCP-4 elisa kit

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CATALOG #
AAA89284

REACTIVITY
Canine

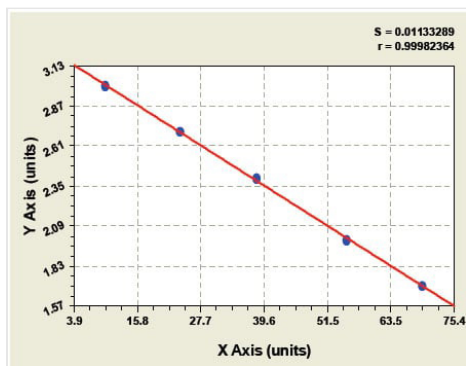
PRODUCT SYNONYMS

Monocyte Chemotactic Protein 4; Canine Monocyte Chemotactic Protein 4 ELISA Kit; MCP-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This MCP-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MCP-4. 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-4 elisa kit

Principle of the assay: MCP-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MCP-4 antibody and an MCP-4-HRP conjugate. The assay sample and buffer are incubated together with MCP-4-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-4 concentration since MCP-4 from samples and MCP-4-HRP conjugate compete for the anti-MCP-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by MCP-4 from the sample, fewer sites are left to bind MCP-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MCP-4 concentration in each sample is interpolated from this standard curve.

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	chemokine (C-C motif) 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; CK-beta-10; new CC chemokine 1; small-inducible cytokine A13; monocyte chemotactic protein 4; monocyte chemoattractant protein 4; small inducible cytokine subfamily A (Cys-Cys), member 13
UniProt Protein Name	C-C motif chemokine 13
UniProt Gene Name	CCL13
UniProt Synonym Gene Names	MCP4; NCC1; SCYA13; MCP-4
UniProt Entry Name	CCL13_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://stage.aaabiotech.com/mcp-4-canine-elisa-kits/monocyte-chemotactic-protein-4/89284>