

Canine Monocyte Chemotactic Protein 2 (MCP2) ELISA Kit | MCP2 elisa kit

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CATALOG #
AAA63751

REACTIVITY
Canine

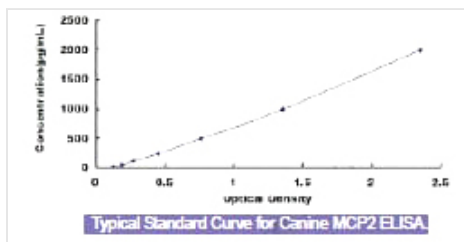
PRODUCT SYNONYMS

Monocyte Chemotactic Protein 2 (MCP2); Canine Monocyte Chemotactic Protein 2 (MCP2) ELISA Kit; CCL8 CCL-8 SCYA8 MCP-2 HC14 Chemokine C-C-Motif Ligand 8 Small Inducible Cytokine Subfamily A(Cys-Cys)Member 8 Monocyte Chemoattractant Protein 2; MCP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of MCP2. No significant cross-reactivity or interference between MCP2 and analogues was observed.
Sequence Length	99
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	9.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MCP2 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 MCP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCP2 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MCP2 in canine serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MCP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MCP2. 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 MCP2, 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 MCP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52546720
NCBI GeneID	448792
NCBI Accession #	NP_001005255.1
NCBI GenBank Nucleotide #	NM_001005255.1
UniProt Accession #	Q68AY9
Molecular Weight	11,263 Da
NCBI Official Full Name	C-C motif chemokine 8
NCBI Official Symbol	CCL8
NCBI Official Synonym Symbols	MCP-2
NCBI Protein Information	C-C motif chemokine 8
UniProt Protein Name	C-C motif chemokine 8
UniProt Gene Name	CCL8
UniProt Synonym Gene Names	MCP2; MCP-2

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/canine-elisa-kits/monocyte-chemotactic-protein-2-mcp2/63751>