

Human Macrophage Derived Chemokine (MDC) ELISA Kit | MDC elisa kit

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CATALOG #
AAA138042

REACTIVITY
Human

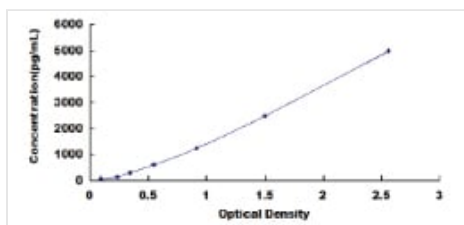
PRODUCT SYNONYMS

Macrophage Derived Chemokine (MDC); Human Macrophage Derived Chemokine (MDC) ELISA Kit; CCL22; ABCD1; DC/B-CK; SCYA22; STCP1; Chemokine C-C-Motif Ligand 22; Small Inducible Cytokine Subfamily A(Cys-Cys)Member 22; Stimulated T-Cell Chemotactic Protein 1; MDC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Macrophage Derived Chemokine (MDC). No significant cross-reactivity or interference between Macrophage Derived Chemokine (MDC) and analogues was observed.
Sequence Length	93
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	28pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Macrophage Derived Chemokine (MDC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Macrophage Derived Chemokine (MDC) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MDC elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Macrophage Derived Chemokine (MDC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Macrophage Derived Chemokine (MDC). 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 Macrophage Derived Chemokine (MDC), 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 Macrophage Derived Chemokine (MDC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MDC elisa kit	Cytokine; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	1931581
NCBI GeneID	6367
UniProt Accession #	O00626; A0N0Q6; B2R4W2
Molecular Weight	10,625 Da
NCBI Official Full Name	macrophage-derived chemokine
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 22
NCBI Official Symbol	CCL22
NCBI Official Synonym Symbols	MDC; ABCD-1; SCYA22; STCP-1; DC/B-CK; A-152E5.1
NCBI Protein Information	C-C motif chemokine 22
UniProt Protein Name	C-C motif chemokine 22
UniProt Gene Name	CCL22
UniProt Synonym Gene Names	MDC; SCYA22
UniProt Entry Name	CCL22_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/human-elisa-kits/macrophage-derived-chemokine-mdc/138042>