

Human CCL22/MDC ELISA Kit | CCL22 elisa kit

Human CCL22/MDC PicoKine ELISA Kit

CATALOG #
AAA45225

REACTIVITY
Human

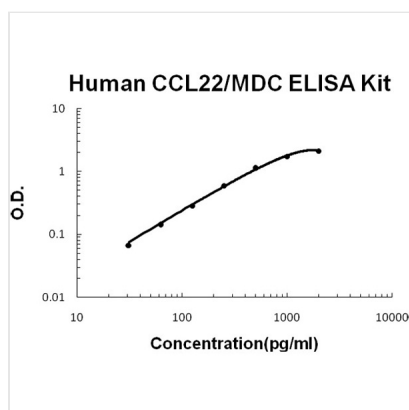
PRODUCT SYNONYMS

CCL22/MDC; Human CCL22/MDC PicoKine ELISA Kit; C-C motif chemokine 22; chemokine (C-C motif) ligand 22; A-152E5.1; ABCD 1; ABCD1; CC chemokine STCP-1; Ccl22; CCL22_HUMAN; Chemokine (C-C motif) ligand 22; DC/B-CK; Macrophage-derived chemokine; MDC(1-69); MDC(7-69); MGC34554; SCYA22; Small inducible cytokine A22; Small inducible cytokine subfamily A (Cys-Cys); member 22; Small-inducible cytokine A22; STCP 1; STCP1; Stimulated T cell chemotactic protein 1; Stimulated T-cell chemotactic protein 1; CCL22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human MDC
Sequence Length	93
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CCL22/MDC PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL22 elisa kit

Principle of the assay: human MDC ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for MDC has been precoated onto 96-well plates. Standards(E.coli, G25-Q93) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for MDC is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human MDC amount of sample captured in plate.

Background: Macrophage-derived chemokine (MDC), also called Chemokine, cc motif, ligand 22 (CCL22) or Small inducible cytokine subfamily A, member 22 (SCY22). MDC is a recently identified member of the CC chemokine family. It is not closely related to other chemokines, sharing most similarity with thymus- and activation-regulated chemokine (TARC), which contains 37% identical amino acids. In addition, MDC gene is mapped to chromosome 16q13, the same position reported for the TARC gene. MDC has the four-cysteine motif and other highly conserved residues characteristic of CC chemokines, but it shares <35% identity with any of the known chemokines. Recombinant MDC was expressed in Chinese hamster ovary cells and purified by heparin-Sepharose chromatography. MDC is highly expressed in macrophages and in monocyte-derived dendritic cells, but not in monocytes, natural killer cells, or several cell lines of epithelial, endothelial, or fibroblast origin. High expression was also detected in normal thymus and less expression in lung and spleen. MDC is thus a unique member of the CC chemokine family that may play a fundamental role in the function of dendritic cells, natural killer cells, and monocytes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033357
NCBI GeneID	6367
UniProt Accession #	O00626; A0N0Q6; B2R4W2
Molecular Weight	10,625 Da
NCBI Official Full Name	C-C motif chemokine 22
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; MDC(1-69); CC chemokine STCP-1; macrophage-derived chemokine; small inducible cytokine A22; small-inducible cytokine A22; stimulated T cell chemotactic protein 1; stimulated T-cell chemotactic protein 1; small inducible cytokine subfamily A (Cys-Cys), member 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/ccl22-mdc/45225>