

Human CCL22 ELISA Kit | CCL22 elisa kit

Human CCL22 ELISA Kit

CATALOG # AAA105898	REACTIVITY Human	APPLICATIONS ELISA
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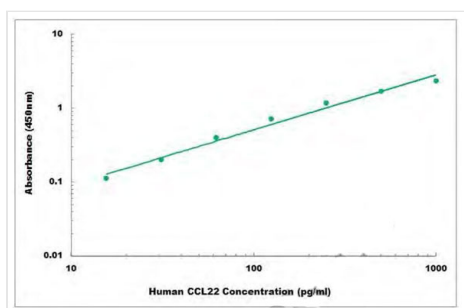
PRODUCT SYNONYMS

CCL22; Human CCL22 ELISA Kit; MDC; SCYA22; C-C motif chemokine 22; CC chemokine STCP-1; MDC(1-69); Macrophage-derived chemokine; Small-inducible cytokine A22; Stimulated T-cell chemotactic protein 1; CCL22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CCL22 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CCL22 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	93
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 8 pg/ml
Applicable Applications for CCL22 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL22 elisa kit	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. Principle of the Assay: The Human CCL22 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CCL22 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human CCL22 coated on a 96-well plate. Standards and samples are pipetted into the wells and CCL22 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CCL22 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CCL22 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22538804
NCBI GeneID	6367
NCBI Accession #	NP_002981.2
NCBI GenBank Nucleotide #	NM_002990.4
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.