

Human Macrophage derived chemokine ELISA Kit | MDC/CCL22 elisa kit

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CATALOG #
AAA86272

REACTIVITY
Human

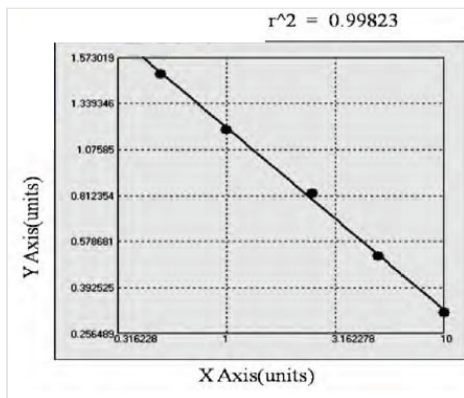
PRODUCT SYNONYMS

Macrophage derived chemokine; Human Macrophage derived chemokine ELISA Kit; MDC/CCL22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MDC/CCL22 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MDC/CCL22. 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 MDC/CCL22 elisa kit	Principle of the Assay: MDC/CCL22 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MDC/CCL22 antibody and an MDC/CCL22-HRP conjugate. The assay sample and buffer are incubated together with MDC/CCL22-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 MDC/CCL22 concentration since MDC/CCL22 from samples and MDC/CCL22-HRP conjugate compete for the anti-MDC/CCL22 antibody binding site. Since the number of sites is limited, as more sites are occupied by MDC/CCL22 from the sample, fewer sites are left to bind MDC/CCL22-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MDC/CCL22 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MDC/CCL22 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	26094302
NCBI GeneID	117551
Molecular Weight	10,391 Da
NCBI Official Full Name	macrophage-derived chemokine CCL22
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 22
NCBI Official Symbol	Ccl22
NCBI Official Synonym Symbols	Mdc; Scya22
NCBI Protein Information	C-C motif chemokine 22; small inducible cytokine A22; small inducible cytokine subfamily A (Cys-Cys) member 22; small inducible cytokine subfamily A (Cys-Cys), member 22
UniProt Protein Name	Macrophage-derived chemokine CCL22
UniProt Gene Name	MDC
UniProt Entry Name	Q91ZH5_RAT

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/mdc-ccl22-human-elisa-kits/macrophage-derived-chemokine/86272>