ARG81659
Human CCL22 / MDC ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81659-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81659-002	Standard	2 X 10 ng/vial	4°C
ARG81659-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81659-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81659-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81659-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81659-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81659-008	25X Wash buffer	20 ml	4°C
ARG81659-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81659-010	STOP solution	10 ml (Ready to use)	4°C
ARG81659-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81659 Human CCL22 / MDC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL22 / MDC in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CCL22 / MDC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 7.5%
Alternate Names	CC chemokine STCP-1; Stimulated T-cell chemotactic protein 1; 3-69; Macrophage-derived chemokine; MDC; DC/B-CK; SCYA22; Small-inducible cytokine A22; ABCD-1; 7-69; 1-69; A-152E5.1; STCP-1; 5-69; C-C motif chemokine 22

Application Instructions

Assay Time	~ 5 hours

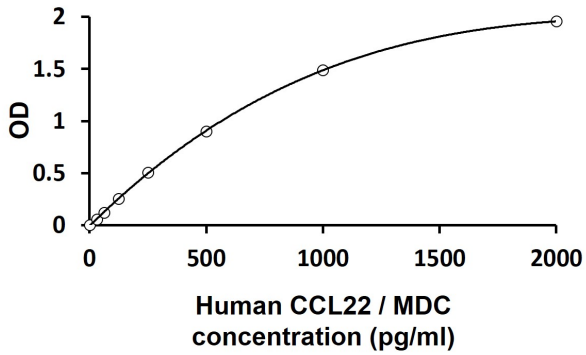
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CCL22
Gene Full Name	chemokine (C-C motif) ligand 22
Background	This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for monocytes, dendritic cells, natural killer cells and for chronically activated T lymphocytes. It also displays a mild activity for primary activated T lymphocytes and has no chemoattractant activity for neutrophils, eosinophils and resting T lymphocytes. The product of this gene binds to chemokine receptor CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology. [provided by RefSeq, Sep 2014]
Function	May play a role in the trafficking of activated/effector T-lymphocytes to inflammatory sites and other aspects of activated T-lymphocyte physiology. Chemotactic for monocytes, dendritic cells and natural killer cells. Mild chemoattractant for primary activated T-lymphocytes and a potent chemoattractant for chronically activated T-lymphocytes but has no chemoattractant activity for neutrophils, eosinophils, and resting T-lymphocytes. Binds to CCR4. Processed forms MDC(3-69), MDC(5-69) and MDC(7-69) seem not be active. [UniProt]
Highlight	Related products: CCL22 antibodies; CCL22 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The N-terminal processed forms MDC(3-69), MDC(5-69) and MDC(7-69) are produced by proteolytic cleavage after secretion from monocyte derived dendrocytes. [UniProt]

Images



ARG81659 Human CCL22 / MDC ELISA Kit standard curve image

ARG81659 Human CCL22 / MDC ELISA Kit results of a typical standard run with optical density reading at 450 nm.