

ARG83017
Human CCL22 / MDC ELISA KitPackage: 96 wells
Store at: 4°C**Component**

Cat. No.	Component Name	Package
ARG83017-01	Antibody-coated microplate	8 X 12 strips
ARG83017-02	Standard (Lyophilized)	2 X 0.5 ng/vials
ARG83017-03	Standard diluent buffer	20 ml
ARG83017-04	Antibody conjugate concentrate	1 vial
ARG83017-05	Antibody diluent buffer	16 ml
ARG83017-06	HRP-Streptavidin concentrate	1 vial
ARG83017-07	HRP-Streptavidin diluent buffer	16 ml
ARG83017-08	20X Wash buffer	50 ml
ARG83017-09	TMB substrate	12 ml
ARG83017-10	STOP solution	12 ml
ARG83017-11	Plate sealer	4 strips

Summary

Product Description	ARG83017 Human CCL22 / MDC ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL22 / MDC in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with: Human 6CKine, TARC. Mouse MDC, TARC.
Target Name	CCL22 / MDC
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	CCL22, C-C Motif Chemokine Ligand 22, MDC, A-152E5.1, DC/B CK, STCP1, ABCD1, SCYA22, Small Inducible Cytokine Subfamily A (Cys Cys), Member 22, Chemokine (C C Motif) Ligand 22, Macrophage Derived Chemokine, C C Motif Chemokine 22, CC Chemokine STCP 1, MDC(1 - 69), MGC34554, Stimulated T Cell Chemotactic Protein 1, Stimulated T Cell Chemotactic Protein 1, Small Inducible Cytokine A22, Small-Inducible Cytokine A22

Application Instructions

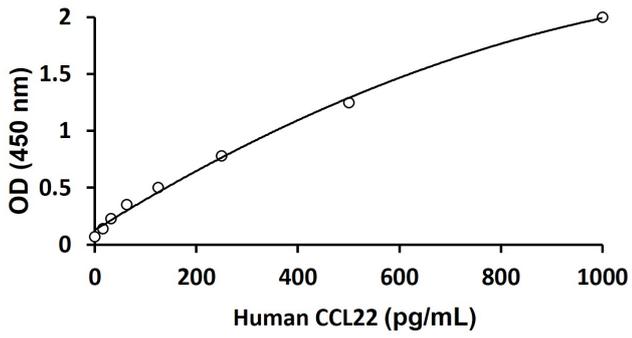
Assay Time	~ 4 hours
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Properties

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	C-C Motif Chemokine 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]
Cellular Localization	Secreted. [UniProt]



ARG83017 Human CCL22 / MDC ELISA Kit standard curve image

ARG83017 Human CCL22 / MDC ELISA Kit results of standard run with optical density reading at 450 nm