

## ARG81461 Human CCL13 / MCP4 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81461-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81461-002	Standard	2 X 10 ng/vial	4°C
ARG81461-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81461-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81461-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81461-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81461-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81461-008	25X Wash buffer	20 ml	4°C
ARG81461-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81461-010	STOP solution	10 ml (Ready to use)	4°C
ARG81461-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81461 Human CCL13 / MCP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL13 / MCP4 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	CCL13 / MCP4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7% Inter-Assay CV: 6.8%
Alternate Names	SCYA13; C-C motif chemokine 13; Monocyte chemotactic protein 4; Small-inducible cytokine A13; CKb10; SCYL1; Monocyte chemoattractant protein 4; MCP-4; NCC-1; NCC1; CK-beta-10

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

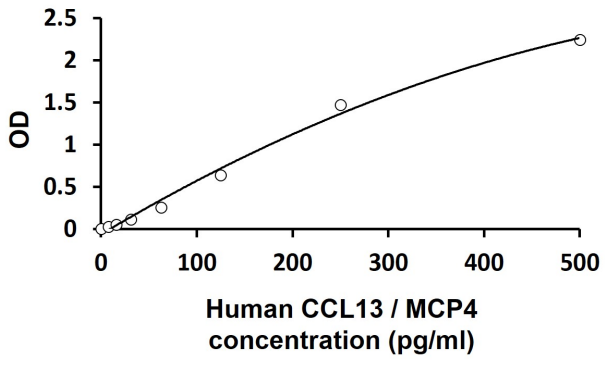
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail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

## Bioinformation

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Gene Symbol	CCL13
Gene Full Name	chemokine (C-C motif) ligand 13
Background	This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q-arm of chromosome 17. 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, lymphocytes, basophils and eosinophils, but not neutrophils. This chemokine plays a role in accumulation of leukocytes during inflammation. It may also be involved in the recruitment of monocytes into the arterial wall during atherosclerosis. [provided by RefSeq, Sep 2014]
Function	Chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils, but not neutrophils. Signals through CCR2B and CCR3 receptors. Plays a role in the accumulation of leukocytes at both sides of allergic and non-allergic inflammation. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis. May play a role in the monocyte attraction in tissues chronically exposed to exogenous pathogens. [UniProt]
Highlight	Related products: <a href="#">CCL13 antibodies</a> ; <a href="#">CCL13 ELISA Kits</a> ; Related news: <a href="#">Detecting MMPs and their non-ECM substrates</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	One major form (form long), and two minor forms (short chain and medium chain) are produced by differential signal peptide cleavage. The medium chain is about 30-fold less active than the long chain. [UniProt]



ARG81461 Human CCL13 / MCP4 ELISA Kit standard curve image

ARG81461 Human CCL13 / MCP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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