

ARG81506 Human CCL14 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81506-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81506-002	Standard	2 X 10 ng/vial	4°C
ARG81506-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81506-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81506-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81506-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81506-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81506-008	25X Wash buffer	20 ml	4°C
ARG81506-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81506-010	STOP solution	10 ml (Ready to use)	4°C
ARG81506-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81506 Human CCL14 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CCL14 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	CCL14
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6% Inter-Assay CV: 6.6%
Alternate Names	SY14; HCC-1; Chemokine CC-1/CC-3; HCC-3; SCYL2; CC-1; MCIF; CC-3; Small-inducible cytokine A14; HCC-1/HCC-3; 3-74; HCC-1(1-74); 4-74; 1-74; NCC-2; CKB1; 9-74; C-C motif chemokine 14; NCC2; SCYA14

Application Instructions

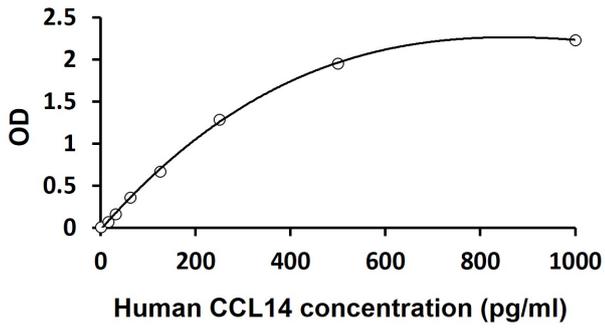
Assay Time	~ 5 hours
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Properties

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	CCL14
Gene Full Name	chemokine (C-C motif) ligand 14
Background	This gene, chemokine (C-C motif) ligand 14, is one of several CC cytokine genes clustered on 17q11.2. The CC cytokines are secreted proteins characterized by two adjacent cysteines. The cytokine encoded by this gene induces changes in intracellular calcium concentration and enzyme release in monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Read-through transcripts are also expressed that include exons from the upstream cytokine gene, chemokine (C-C motif) ligand 15, and are represented as GeneID: 348249. [provided by RefSeq, Dec 2009]
Function	Has weak activities on human monocytes and acts via receptors that also recognize MIP-1 alpha. It induced intracellular Ca(2+) changes and enzyme release, but no chemotaxis, at concentrations of 100-1,000 nM, and was inactive on T-lymphocytes, neutrophils, and eosinophil leukocytes. Enhances the proliferation of CD34 myeloid progenitor cells. The processed form HCC-1(9-74) is a chemotactic factor that attracts monocytes eosinophils, and T-cells and is a ligand for CCR1, CCR3 and CCR5. [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The N-terminal processed forms HCC-1(3-74), HCC-1(4-74) and HCC-1(9-74) are produced in small amounts by proteolytic cleavage after secretion in blood. HCC-1(1-74), but not HCC-1(3-74) and HCC-1(4-74), is partially O-glycosylated; the O-linked glycan consists of one Gal-GalNAc disaccharide, further modified by two N-acetylneuraminic acids. [UniProt]



ARG81506 Human CCL14 ELISA Kit standard curve image

ARG81506 Human CCL14 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
