

Human CCL14/HCC-1 ELISA Kit | CCL14 elisa kit

Human CCL14/HCC-1 PicoKine ELISA Kit

CATALOG #
AAA45759

REACTIVITY
Human

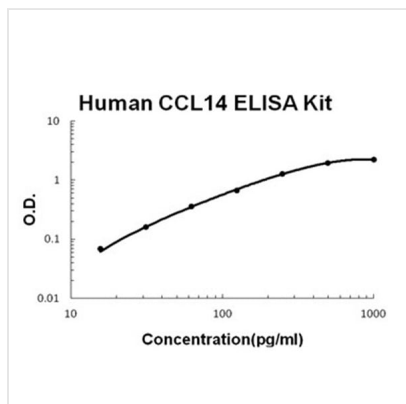
PRODUCT SYNONYMS

CCL14/HCC-1; Human CCL14/HCC-1 PicoKine ELISA Kit; C-C motif chemokine 14; chemokine (C-C motif) ligand 14; CCL14; CCL14_HUMAN; Chemokine CC-1/CC-3; chemokine CC1; chemokine CC3; chemokine HCC1; chemokine HCC3; CKb1; HCC-1(1-74); HCC-1(9-74); HCC-1/HCC-3; HCC1; HEMOFILTRATE CC CHEMOKINE 1; MCIF; NCC-2; NCC2; SCYA14; SCYL2; Small-inducible cytokine A14; SY14; CCL14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CCL14
Sequence Length	93
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CCL14/HCC-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL14 elisa kit

Principle of the assay: human CCL14 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CCL14 has been precoated onto 96-well plates. Standards(E.coli, T20-N93) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL14 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CCL14 amount of sample captured in plate.

Background: Chemokine (C-C motif) ligand 14 (CCL14) is a small cytokine belonging to the CC chemokine family. It is also commonly known as HCC-1. It is produced as a protein precursor that is processed to generate a mature active protein containing 74 amino acids that and is 46% identical in amino acid composition to CCL3 and CCL4. This chemokine is expressed in various tissues including spleen, bone marrow, liver, muscle, and gut. CCL14 activates monocytes, but does not induce their chemotaxis. In addition, HCC-1 enhanced the proliferation of CD34+ myeloid progenitor cells. It was as effective as MIP-1 alpha, but about 100-fold less potent. Human CCL14 is located on chromosome 17 within a cluster of other chemokines belonging to the CC family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2493670
NCBI GeneID	6358
UniProt Accession #	Q16627; Q13954; E1P649; E1P650
Molecular Weight	12,297 Da
NCBI Official Full Name	C-C motif chemokine 14
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 14
NCBI Official Symbol	CCL14
NCBI Official Synonym Symbols	CC-1; CC-3; CKB1; MCIF; NCC2; SY14; HCC-1; HCC-3; NCC-2; SCYL2; SCYA14; HCC-1(1-74); HCC-1/HCC-3
NCBI Protein Information	C-C motif chemokine 14; chemokine CC-3; new CC chemokine 2; chemokine CC-1/CC-3; hemofiltrate CC chemokine 1; small-inducible cytokine A14; small inducible cytokine subfamily A (Cys-Cys), member 14
UniProt Protein Name	C-C motif chemokine 14
UniProt Gene Name	CCL14
UniProt Synonym Gene Names	NCC2; SCYA14; HCC-1/HCC-3
UniProt Entry Name	CCL14_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ccl14-hcc-1/45759>