Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0643

Human CCL14 - HCC-1 ELISA Kit

Overview

Description:	Human CCL14/HCC-1 AccuSignal ELISA Kit - KOA0643
Item No.:	KOA0643
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

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.
Synonyms:	C-C motif chemokine 14,CC-1, CC-3, Chemokine (C-C motif) ligand 14, Chemokine CC-1/CC-3, Chemokine CC-3, CKB1, HCC-1, HCC-1(1-74), HCC-1/HCC-3, HCC-3, MCIF, NCC-2, NCC2, New CC chemokine 2, SCYA14, SCYL2, Small inducible cytokine subfamily A (Cys-Cys) member 14, Small-inducible cytokine A14, SY14
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CCL14
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: T20-N93
Purity/Specificity:	Natural and recombinant human CCL14. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q16627 • NCBI - NP_116738.1 • GeneID - 6358 • KOA0643 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml human CCL14 standard solutions into the pre-coated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human CCL14 standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

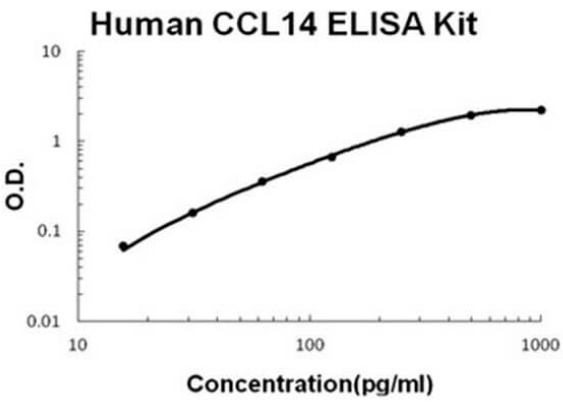
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human CCL14/HCC-1 AccuSignal ELISA Kit standard curve.
Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.