

Datasheet for KOA0251**Human CCL8 - MCP-2 ELISA Kit****Overview**

Description:	Human CCL8/MCP-2 AccuSignal ELISA Kit - KOA0251
Item No.:	KOA0251
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Chemokine(C-C motif) ligand 8, also known as monocyte chemoattractant protein 2(MCP-2), is a protein that in humans is encoded by the CCL8 gene. CCL8 is a small cytokine belonging to the CC chemokine family. The CCL8 protein is produced as a precursor containing 109 amino acids, which is cleaved to produce mature CCL8 containing 75 amino acids. The gene for CCL8 is encoded by 3 exons and is located within a large cluster of CC chemokines on chromosome 17q11.2 in humans. Monocyte chemotactic protein 2(MCP-2) is a CC chemokine that utilizes multiple cellular receptors to attract and activate human leukocytes.
Synonyms:	C C motif chemokine 8, CCL 8, Ccl8, CCL8_HUMAN, Chemokine (C C motif) ligand 8, Chemokine ligand 8, HC14, MCP 2, MCP-2, MCP-2(6-76), Monocyte chemoattractant protein 2, Monocyte chemotactic protein 2, SCYA10, SCYA8, Small inducible cytokine A8, Small inducible cytokine subfamily A (Cys Cys) member 8, Small-inducible cytokine A8
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<1 pg/ml

Target Details

Gene Name:	CCL8
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: Q24-P99

Purity/Specificity: Natural and recombinant human CCL8. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P80075](#)
- [NCBI - NP_005614.2](#)
- [GeneID - 6355](#)
- [KOA0251 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, 31.2pg/ml, 15.6pg/ml human CCL8 standard solutions into the precoated 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. It is recommended that each human CCL8 standard solution and each sample be measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Other: DOE:
2-8° C - 08/20/2022
-20° C - 02/18/2023

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

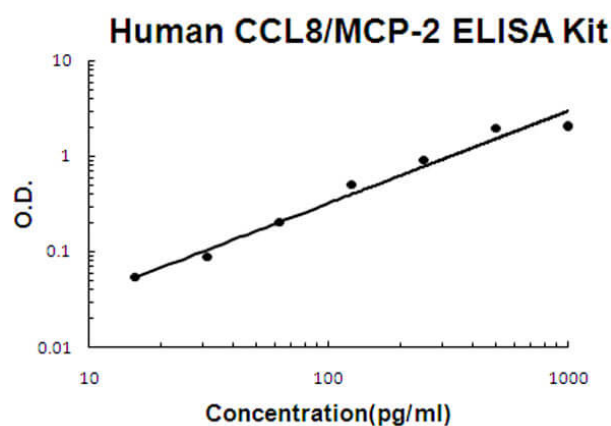
Shipping & Handling

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 CCL8/MCP-2 AccuSignal ELISA Kit standard curve.
Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/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.