

Datasheet for KOA0396**Human CCL18 - PARC ELISA Kit****Overview**

Description:	Human CCL18/PARC AccuSignal ELISA Kit - KOA0396
Item No.:	KOA0396
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	7.8 pg/ml - 500 pg/ml

Product Details

Background:	Chemokine(C-C motif) ligand 18(CCL18) is a small cytokine belonging to the CC chemokine family that was previously called PARC(pulmonary and activation-regulated chemokine). CCL18 is approximately 60% identical in amino acid sequence to CCL3. By analysis of a previously mapped CCL18 from 17q11.2, it is determined that the PARC gene is located within 1 of the 2 clusters of CC chemokine genes in this region. It is expressed at high levels in lung and at lower levels in certain lymphoid tissues, such as the lymph nodes, and is chemotactic for activated T cells and nonactivated lymphocytes. Beside, CCL18 recruits Th2 cells and basophils and may play a predominant role in allergic asthma.
Synonyms:	Alternative macrophage activation associated CC chemokine 1, Alternative macrophage activation-associated CC chemokine 1, AMAC1, C C motif chemokine 18, CC chemokine ligand 18, CC chemokine PARC, CCL18_HUMAN, Chemokine ligand 18, Chemokine dendritic, Chemokine ligand 18, CKb7, DCCK1, Dendritic cell chemokine 1, Macrophage inflammatory protein 4, MIP4, PARC, Pulmonary and activation regulated chemokine, Pulmonary and activation-regulated chemokine, Small inducible cytokine A18
Detection Kit Type:	ELISA Kit
Detection Range:	7.8 pg/ml - 500 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CCL18
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A21-A89
Purity/Specificity:	Natural and recombinant human CCL18. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P55774 • NCBI - NP_002979.1 • GenelD - 6362 • KOA0396 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml, 7.8pg/ml human CCL18 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 or serum to each empty well. We recommend that each human CCL18 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.
Other:	DOE: 2-8° C - 12/2/17 -20° C - 6/2/18

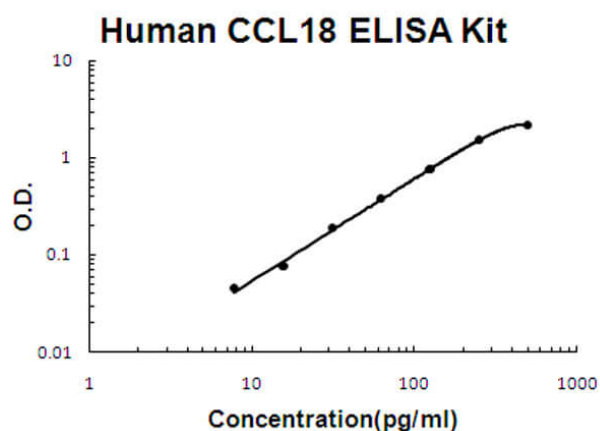
Formulation

Concentration:	1 Kit
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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 CCL18/PARC AccuSignal ELISA Kit standard curve.
Assay Range: 7.8pg/ml-500pg/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.