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

Datasheet for KOA0335

Human CCL21 - 6Ckine ELISA Kit

Overview

Description:	Human CCL21/6Ckine AccuSignal ELISA Kit - KOA0335
Item No.:	KOA0335
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Chemokine(C-C motif) ligand 21(CCL21) is a small cytokine belonging to the CC chemokine family. This chemokine is also known as 6Ckine(because it has six conserved cysteine residues instead of the four cysteines typical to chemokines), exodus-2, and secondary lymphoid-tissue chemokine(SLC). By somatic cell hybrid and radiation hybrid analyses, mapped the SCYA21 gene to 9p13. Chemokines are a family of proteins that direct leukocyte migration and activation to inflammatory stimuli. CXC chemokine ligand 13(CXCL13), CC chemokine ligand 21(CCL21), and CCL19 are constitutively expressed in secondary lymphoid organs, where they control the placement of lymphocytes and dendritic cells. It was demonstrate that the local expression of homeostatic chemokines in nonlymphoid organs, such as the lung, plays an important role in protective immune responses.
Synonyms:	6Ckine, Beta chemokine exodus 2, C-C motif chemokine 21, Chemokine (C-C motif) ligand 21, CKb9, ECL, Efficient Chemoattractant for Lymphocytes, Exodus2, MGC34555, OTTHUMP00000000526, OTTHUMP00000000527, OTTHUMP00000021303, SCYA 21, SCYA21, Secondary lymphoid tissue chemokine, SLC, Small inducible cytokine A21, Small inducible cytokine subfamily A (Cys-Cys), member 21, TCA 4, TCA4
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<12 pg/ml

Target Details

Gene Name:	CCL21

Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S24-P134
Purity/Specificity:	Natural and recombinant human CCL21. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O00585 • NCBI - NP_002980.1 • GeneID - 6366 • KOA0335 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human CCL21 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 CCL21 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 @ 4°C: 10/02/2024 @ -20° C: 04/02/2025

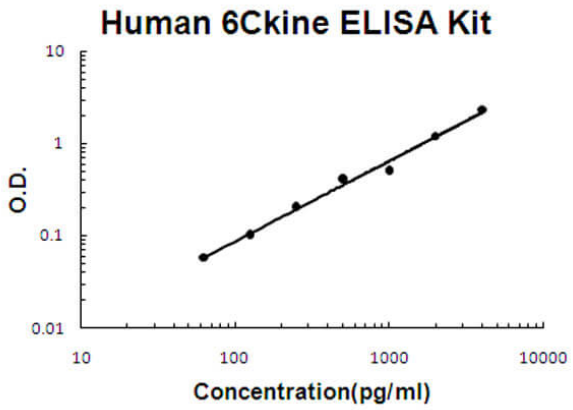
Formulation

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 CCL21/6Ckine AccuSignal ELISA Kit standard curve.
Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <12pg/ml.

Disclaimer

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