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Datasheet for KOA0431

Human CXCL11 - I-TAC ELISA Kit

Overview

Description:	Human CXCL11/I-TAC AccuSignal ELISA Kit - KOA0431
Item No.:	KOA0431
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Chemokine(C-X-C motif) ligand 11(CXCL11) is a small cytokine belonging to the CXC chemokine family that is also called Interferon-inducible T-cell alpha chemoattractant(I-TAC) and Interferon-gamma-inducible protein 9(IP-9). By PCR analysis of somatic cell hybrids, the CXCL11 gene was mapped to chromosome 4, and using FISH, it was located to 4q21.2. The CXCL11 was strongly induced by IFNG and beta-interferon, but only weakly induced by alpha-interferon. Induction of CXCL11 required expression of STAT1. What's more, it found that monocyte chemotaxis occurs in response to recombinant CXCL11. RT-PCR analysis detected CXCL11 expression in brain tissue from a patient with AIDS dementia and a patient with multiple sclerosis but not in 2 controls.
Synonyms:	b R1|Beta R1, C X C motif chemokine 11, C-X-C motif chemokine 11, Chemokine C-X-C motif ligand 11, CXL11_HUMAN, H174, I TAC, Interferon gamma inducible protein 9, Interferon inducible T cell a chemoattractant I TAC, Interferon inducible T cell alpha chemoattractant, IP9, ITAC, SCYB11, SCYB9B, Small inducible cytokine B11, Small inducible cytokine subfamily B member 11, Small inducible cytokine subfamily B member 9B, Small inducible cytokine subfamily B member 11, Small inducible cytokine subfamily B member 9B
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CXCL11

Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: F22-F94
Purity/Specificity:	Natural and recombinant human CXCL11. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O14625 • NCBI - NP_001289052.1 • GeneID - 6373 • KOA0431 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 CXCL11 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 CXCL11 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.

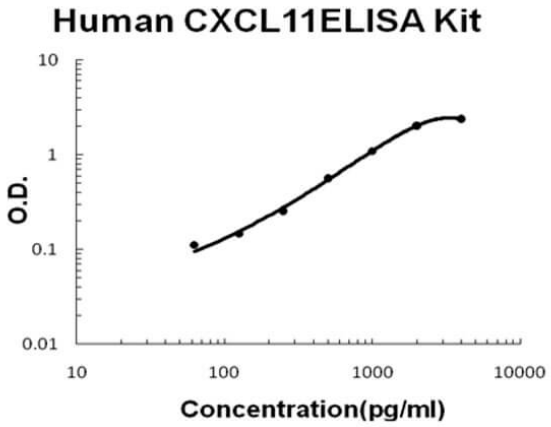
Formulation

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 CXCL11/I-TAC AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

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