

Rat CXCL1 AccuSignal ELISA Kit - KOA0421

Code: KOA0421

Size: 1 Kit

Product Description: Rat CXCL1 AccuSignal ELISA Kit - KOA0421

PhysicalState:

Label	Unconjugated
Gene Name	CXCL1
Species Reactivity	Rat
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.
Synonyms	C-X-C motif chemokine 1, chemokine ligand 1, fibroblast secretory protein, FSP, GRO, GRO protein alpha, GRO-alpha(1-73), GRO1, GRO1 oncogene, GROa, growth-regulated alpha protein, Keratinocyte-derived chemokine, mouse homolog of, Melanoma growth stimulatory activity, melanoma growth stimulatory activity alpha, MGSA, MGSA a, MGSA alpha, NAP 3, Neutrophil-activating protein 3, SCYB1, Small inducible cytokine subfamily B member 1
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 rat CXCL1 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 rat cell culture supernatants, serum or plasma(EDTA) to each empty well. It is recommended that each rat CXCL1 standard solution and each sample be measured in duplicate.
Background	Chemokine(C-X-C motif) ligand 1(CXCL1) is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GROalpha, KC, Neutrophil-activating protein 3(NAP-3) and melanoma growth stimulating activity, alpha(MSGA-alpha). In humans, this protein is encoded by the CXCL1 gene. The gene for CXCL1 is located on human chromosome 4 amongst genes for other CXC chemokines. The mature form of CXCL1 is maximally 73 amino acids long. CXCL1 is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. This chemokine elicits its effects by signaling through the chemokine receptor CXCR2.CXCL1 decreased the severity of multiple sclerosis and may offer a neuro-protective function.
Purity And Specificity	Natural and recombinant rat CXCL1. There is no detectable cross-reactivity with other relevant proteins.
ELISA	15.6pg/ml-1000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: E.coli; Immunogen sequence: A25-K96
Anti-Coagulant	Sodium EDTA

Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

UniProtKB - P14095

<http://www.uniprot.org/uniprot/P14095>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_110472.1

GeneID - 81503

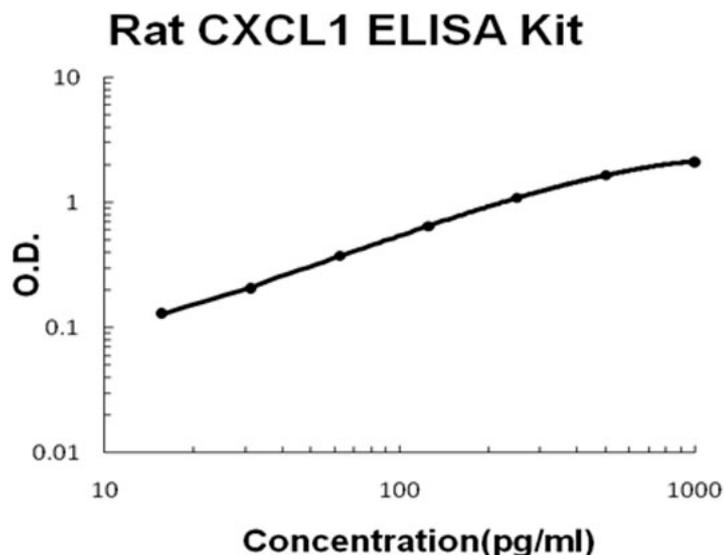
<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=81503>

KOA0421 Protocol [http://www.rockland-inc.com/uploadedfiles/Support/KOA0421%20\(NMA\).pdf](http://www.rockland-inc.com/uploadedfiles/Support/KOA0421%20(NMA).pdf)

Images

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Rat CXCL1 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.