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Datasheet for KOA0832

Rat CXCL3 ELISA Kit

Overview

Description:	Rat CXCL3 AccuSignal ELISA Kit - KOA0832
Item No.:	KOA0832
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family. It is mapped to 14p2 in rat. CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor. It has been shown that CXCL3 regulates cell autonomously the migration of the precursors of cerebellar granule neurons toward the internal layers of cerebellum, during the morphogenesis of cerebellum. CXCL3 also play fundamental roles in the development, homeostasis and it has effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.
Synonyms:	C-X-C motif chemokine 3, Chemokine (CXC motif) ligand 3, CINC 2b, Cinc2, CINC2b, CXCL3_HUMAN, Cytokine induced neutrophil chemoattractant 2, Dcip1, Dendritic cell inflammatory protein 1, Gm1960, GRO protein gamma, GRO-gamma, GRO-gamma(1-73), GRO-gamma(5-73), GRO3 GRO3 oncogene, GROG, Growth regulated protein gamma, Macrophage inflammatory protein 2 beta precursor, Melanoma growth stimulatory activity gamma, Member 3, MGSA gamma, MIP 2b, MIP2-beta, MIP2B, SCYB3, Small inducible cytokine subfamily B
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CXCL3
Reactivity:	Rat

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: R33-S101
Purity/Specificity:	Natural and recombinant rat CXCL3. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q10746 • NCBI - NP_612531.1 • GeneID - 171551 • KOA0832 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 rat CXCL3 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 supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat CXCL3 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.

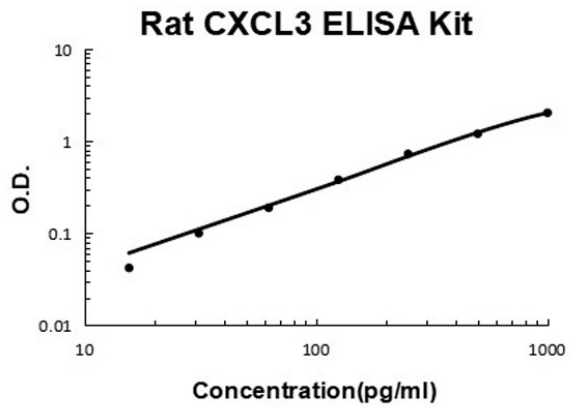
Formulation

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
Rat CXCL3 ELISA Kit standard curve.

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.