

Datasheet for KOA0422**Rat CXCL2 - MIP-2 ELISA Kit****Overview**

Description:	Rat CXCL2/MIP-2 AccuSignal ELISA Kit - KOA0422
Item No.:	KOA0422
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	MIP is a member of the aquaporin family of membrane-bound water channels. MIP family proteins are thought to contain 6 TM domains. Sequence analysis suggests that the proteins may have arisen through tandem, intragenic duplication from an ancestral protein that contained 3 TM domains. Major intrinsic protein (MIP, also called MP26) is the predominant fiber cell membrane protein of the ocular lens. The major intrinsic protein (MIP) of the vertebrate eye lens is the first identified member of a sequence-related family of cell-membrane proteins that appears to have evolved by gene duplication. Several members of the MIP family transport water (aquaporins), glycerol and other small molecules in microbial, plant and animal cells.
Synonyms:	C-X-C motif chemokine 2, Chemokine (C-X-C motif) ligand 2, CINC-2a, Cxcl2, CXCL2_HUMAN, Gro beta, Gro-beta, GRO-beta(5-73), GRO-beta-T, GRO2, GRO2 oncogene, GROb, Growth-regulated protein beta, Hematopoietic synergistic factor, HSF, Macrophage inflammatory protein 2-alpha, Melanoma growth stimulatory activity beta, MGSA beta, MGSA-b, MIP 2, MIP 2a, MIP2, MIP2-alpha, MIP2A, SB-251353, SCYB2
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CXCL2
Reactivity:	Rat

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S32-N100
Purity/Specificity:	Natural and recombinant rat MIP-2. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P30348 • NCBI - NP_446099.1 • GeneID - 114105 • KOA0422 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 MIP-2 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 MIP-2 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.

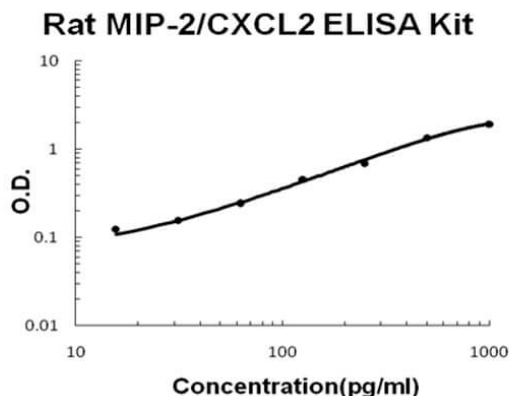
Formulation

Anticoagulant:	Heparin Sodium
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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

Rat CXCL2/MIP-2 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/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.