

Human Corin AccuSignal ELISA Kit - KOA0759

Code: KOA0759

Size: 1 Kit

Product Description: Human Corin AccuSignal ELISA Kit - KOA0759

PhysicalState:

Label	Unconjugated
Gene Name	CORIN
Species Reactivity	Human
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	activated protease fragment, ATC 2, ATC2, Atrial natriuretic peptide-converting enzyme, Atrial natriuretic peptide converting enzyme, Corin, Corin serine peptidase, CORIN_HUMAN, CRN, Heart specific serine proteinase, Heart specific serine proteinase ATC2, Heart-specific serine proteinase ATC2, Lrp 4, Lrp4, MGC119742, Pro ANP convertase, Pro ANP converting enzyme, Pro-ANP-converting enzyme, TMPRSS 10, TMPRSS10, Transmembrane protease serine 10
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 Corin 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, plasma(heparin, EDTA) or tissue homogenates to each empty well. It is recommended that each human Corin standard solution and each sample be measured in duplicate.
Background	Atrial natriuretic peptide-converting enzyme, also called CRN or ATC2, is a protein that in humans is encoded by the CORIN gene. It is mapped to 4p12. This gene encodes a member of the type II transmembrane serine protease class of the trypsin superfamily. Members of this family are composed of multiple structurally distinct domains. It has been found that Corin is the pro-ANP-converting enzyme and that Corin-mediated pro-ANP activation may play a role in regulating blood pressure. What's more, Corin and ANP are essential for physiologic changes at the maternal-fetal interface. This protein may also function as a pro-brain-type natriuretic peptide convertase. Corin gene mutations which cause Corin to impair activity might be an underlying mechanism in hypertension.
Purity And Specificity	Natural and recombinant human Corin. There is no detectable cross-reactivity with other relevant proteins.
ELISA	62.5pg/ml-4000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: S67-N1042
Anti-Coagulant	Heparin Sodium

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 - Q9Y5Q5

<http://www.uniprot.org/uniprot/Q9Y5Q5>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_001265514.1

GeneID - 10699

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=10699>

KOA0759 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0759%20GBL.pdf>

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.