

Human Corin (CRN) ELISA Kit | CRN elisa kit

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CATALOG #
AAA64039

REACTIVITY
Human

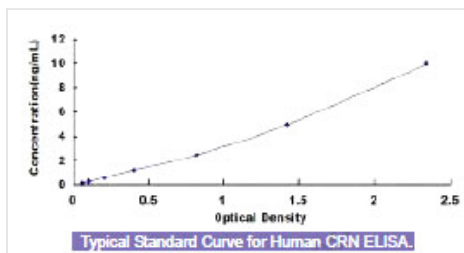
PRODUCT SYNONYMS

Corin (CRN); Human Corin (CRN) ELISA Kit; ATC2; CRN; Lrp4; TMPRSS10; Atrial Natriuretic Peptide-Converting Enzyme; Serine Protease; Heart-specific serine proteinase ATC2; Pro-ANP-converting enzyme; CRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CRN. No significant cross-reactivity or interference between CRN and analogues was observed.
Sequence Length	938
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CRN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CRN in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CRN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CRN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CRN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	514961960
NCBI GeneID	10699
NCBI Accession #	NP_001265514.1
NCBI GenBank Nucleotide #	NM_001278585.1
UniProt Accession #	Q9Y5Q5; Q2TBD2; Q4W5E5; Q4W5G6; Q9UHY2; B0ZBE3
Molecular Weight	113,297 Da
NCBI Official Full Name	atrial natriuretic peptide-converting enzyme isoform 2
NCBI Official Synonym Full Names	corin, serine peptidase
NCBI Official Symbol	CORIN
NCBI Official Synonym Symbols	CRN; ATC2; Lrp4; PEE5; TMPRSS10
NCBI Protein Information	atrial natriuretic peptide-converting enzyme
UniProt Protein Name	Atrial natriuretic peptide-converting enzyme
UniProt Gene Name	CORIN
UniProt Synonym Gene Names	CRN; TMPRSS10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.