

Human Corin (Atrial natriuretic peptide converting enzyme) ELISA Kit | Corin elisa kit

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CATALOG #
AAA86218

REACTIVITY
Human

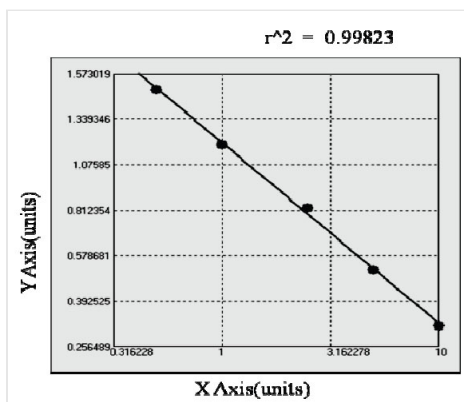
PRODUCT SYNONYMS

Corin (Atrial natriuretic peptide converting enzyme); Human Corin (Atrial natriuretic peptide converting enzyme) ELISA Kit; Corin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Corin elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This Corin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Corin. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY Corin ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Corin antibody and an Corin-HRP conjugate. The assay sample and buffer are incubated together with Corin-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Corin concentration since Corin from samples and Corin-HRP conjugate compete for the anti-Corin antibody binding site. Since the number of sites is limited, as more sites are occupied by Corin from the sample, fewer sites are left to bind Corin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Corin concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4884872
NCBI GeneID	10699
Molecular Weight	113,297 Da
NCBI Official Full Name	corin
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; pro-ANP-convertase; pro-ANP-converting enzyme; transmembrane protease serine 10; heart-specific serine proteinase ATC2
UniProt Protein Name	Atrial natriuretic peptide-converting enzyme
UniProt Gene Name	CORIN
UniProt Synonym Gene Names	CRN; TMPRSS10
UniProt Entry Name	CORIN_HUMAN

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.