

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

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CATALOG #
AAA96871

REACTIVITY
Canine

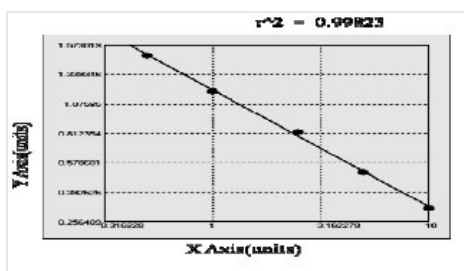
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	1.0 pg/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

Intended Uses: This Corin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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.

Product Categories/Family for Corin elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4884872
NCBI GeneID	10699
UniProt Accession #	Q9Y5Q5; Q2TBD2; Q4W5E5; Q4W5G6; Q9UHY2; B0ZBE3
Molecular Weight	116,486 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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/corin-atrial-natriuretic-peptide-converting-enzyme/96871>