

Canine Renin ELISA Kit | Renin elisa kit

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CATALOG #
AAA93040

REACTIVITY
Canine

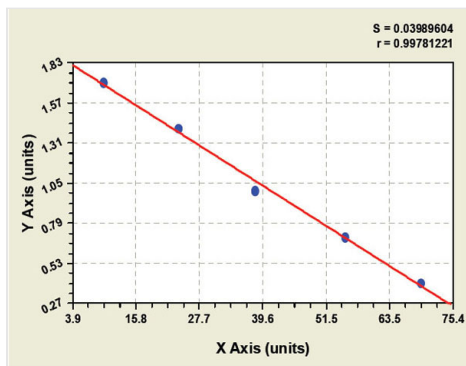
PRODUCT SYNONYMS

Renin; Canine Renin ELISA Kit; Renin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This Renin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Renin. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Renin elisa kit

Principle of the assay: Renin ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Renin antibody and an Renin-HRP conjugate. The assay sample and buffer are incubated together with Renin-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 Renin concentration since Renin from samples and Renin-HRP conjugate compete for the anti-Renin antibody binding site. Since the number of sites is limited, as more sites are occupied by Renin from the sample, fewer sites are left to bind Renin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Renin concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190994
NCBI GeneID	5972
Molecular Weight	44,726 Da
NCBI Official Full Name	renin
NCBI Official Synonym Full Names	renin
NCBI Official Symbol	REN
NCBI Official Synonym Symbols	HNFJ2
NCBI Protein Information	renin; angiotensinogenase; renin precursor, renal; angiotensin-forming enzyme
UniProt Protein Name	Renin
UniProt Gene Name	REN
UniProt Entry Name	RENI_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/renin/93040>