

Dog renin ELISA Kit | REN elisa kit

Dog Renin ELISA Kit

CATALOG #
AAA79670

REACTIVITY
Dog

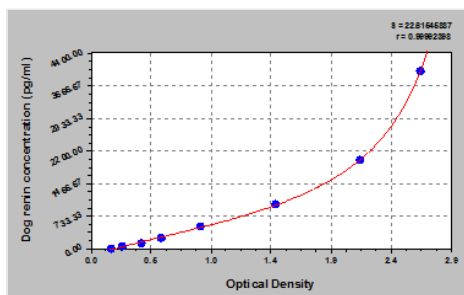
PRODUCT SYNONYMS

renin; Dog Renin ELISA Kit; FLJ10761; HNFJ2; angiotensin-forming enzyme; angiotensinogenase; renin precursor; renal; REN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of dog renin. No significant cross-reactivity or interference between dog renin and analogues was observed.
Sequence Length	403
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml.
Sensitivity	The minimum detectable dose of dog renin is typically less than 15.6 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REN elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for renin has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any renin present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for renin is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of renin bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50978946
NCBI GeneID	403838
NCBI Accession #	NP_001003194.1
NCBI GenBank Nucleotide #	NM_001003194.1
UniProt Accession #	Q6DYE7
Molecular Weight	44,099 Da
NCBI Official Full Name	renin
NCBI Official Symbol	REN
NCBI Protein Information	renin; angiotensinogenase
UniProt Protein Name	Renin
UniProt Gene Name	REN
UniProt Entry Name	RENI_CANFA

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://www.aaabiotech.com/ren-dog-elisa-kits/renin/79670>