

Rat Renin (REN) ELISA Kit | REN elisa kit

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CATALOG #
AAA64972

REACTIVITY
Rat

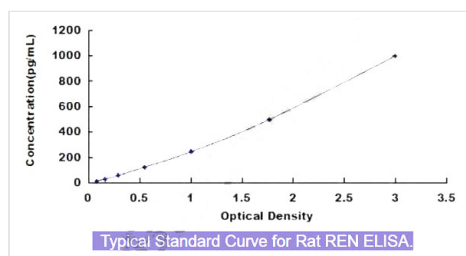
PRODUCT SYNONYMS

Renin (REN); Rat Renin (REN) ELISA Kit; angiotensinogenase; REN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of REN. No significant cross-reactivity or interference between REN and analogues was observed.
Sequence Length	402
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level REN 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 REN 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 REN elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to REN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to REN. 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 REN, 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 REN in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of REN in rat serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148747255
NCBI GeneID	24715
NCBI Accession #	NP_036774.4
NCBI GenBank Nucleotide #	NM_012642.4
UniProt Accession #	P08424; Q63497
Molecular Weight	44,276 Da
NCBI Official Full Name	renin
NCBI Official Synonym Full Names	renin
NCBI Official Symbol	Ren
NCBI Official Synonym Symbols	Ren1; RENAA; RATRENAA
NCBI Protein Information	renin
UniProt Protein Name	Renin
UniProt Gene Name	Ren1
UniProt Synonym Gene Names	Ren

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.