

Mouse Renin ELISA Kit | REN elisa kit

Mouse Renin (REN) (Sandwich ELISA) Mini sample ELISA Kit

CATALOG #
AAA189901

REACTIVITY
Mouse

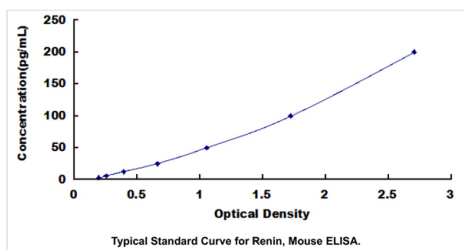
PRODUCT SYNONYMS

Renin; Mouse Renin (REN) (Sandwich ELISA) Mini sample ELISA Kit; angiotensinogenase; Mini Samples ELISA Kit for Renin (REN); REN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of renin. No significant cross-reactivity or interference between renin and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	3.12-200pg/mL
Sensitivity	< 1.16pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level renin 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 renin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for REN elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to renin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to renin. 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 renin, 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 renin 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 in vitro quantitative measurement of renin in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for REN elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	13676837
NCBI GeneID	19701
NCBI Accession #	NP_112469.1
NCBI GenBank Nucleotide #	NM_031192.3
UniProt Accession #	P06281; P97911; Q543E5; Q62153; Q62154
Molecular Weight	160,000
NCBI Official Full Name	renin-1
NCBI Official Synonym Full Names	renin 1 structural
NCBI Official Symbol	Ren1
NCBI Official Synonym Symbols	Ren; Rnr; Rn-1; Ren-1; Ren-A; Ren1c; Ren1d; D19352
NCBI Protein Information	renin-1; renin b; kidney renin; aspartyl-protease; angiotensinogenase
UniProt Protein Name	Renin-1
UniProt Gene Name	Ren1
UniProt Synonym Gene Names	Ren; Ren-1
UniProt Entry Name	RENI1_MOUSE

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.