

Mouse Renin-1 ELISA Kit | REN elisa kit

Mouse Renin-1 PicoKine ELISA Kit

CATALOG #
AAA45871

REACTIVITY
Mouse

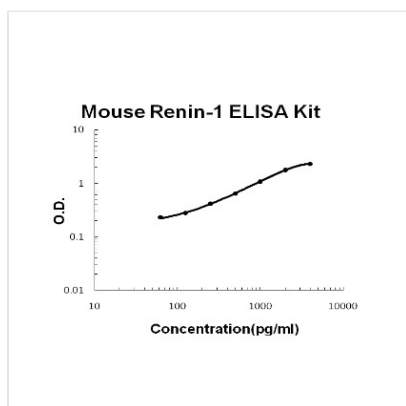
PRODUCT SYNONYMS

Renin-1; Mouse Renin-1 PicoKine ELISA Kit; renin; Angiotensin forming nzyme; Angiotensinogenase; FLJ10761; HNFJ2; REN; Ren1; RENAA; RENI_HUMAN; Renin; Renin precursor renal; Renin-2; REN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Renin-1
Sequence Length	402
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Renin-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for REN elisa kit	Principle of the assay: mouse Renin-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Renin-1 has been precoated onto 96-well plates. Standards(NSO, S72-R402) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Renin-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Renin-1 amount of sample captured in plate. Background: Renin-1 is also known as Ren, Angiotensinogenase or Kidney rennin. It is a member of peptidase A1 family. Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. It associated to membranes via binding to ATP6AP2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	132327
NCBI GeneID	19701
UniProt Accession #	P06281; P97911; Q543E5; Q62153; Q62154
Molecular Weight	44,343 Da
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.