

## Mouse REN (Renin) ELISA Kit | REN elisa kit

MS Mouse REN (Renin) ELISA Kit

CATALOG #  
**AAA178068**

REACTIVITY  
**Mouse**

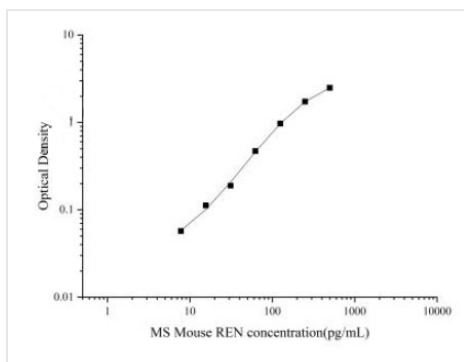
### PRODUCT SYNONYMS

REN (Renin); MS Mouse REN (Renin) ELISA Kit; REN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                            |
| Specificity             | This kit recognizes Mouse REN in samples. No significant cross-reactivity or interference between Mouse REN and analogues was observed                                                                           |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                            |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                                        |
| Detection Range         | 7.81-500 pg/mL                                                                                                                                                                                                   |
| Sensitivity             | 4.52 pg/mL                                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Mouse REN were tested 20 times on one plate, respectively.                                                       |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Mouse REN were tested on 3 different plates, 20 replicates in each plate, respectively.                           |
| Preparation and Storage | An unopened kit can be stored at 2-8 degree C for 1 month. If the kit is not supposed to be used within 1 month, store the components separately according to the following conditions once the kit is received. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for REN elisa kit | <p>Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse REN. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse REN and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse REN, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Mouse REN. You can calculate the concentration of Mouse REN in the samples by comparing the OD of the samples to the standard curve.</p> <p>Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse REN concentrations in serum, plasma and other biological fluids.</p> |
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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.