

Mouse ACE2 ELISA Kit | ACE2 elisa kit

Mouse ACE2 PicoKine ELISA Kit

CATALOG #
AAA46011

REACTIVITY
Mouse

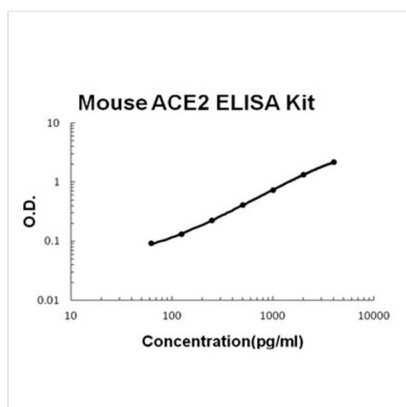
PRODUCT SYNONYMS

ACE2; Mouse ACE2 PicoKine ELISA Kit; Angiotensin-converting enzyme 2; angiotensin I converting enzyme 2; ACE 2; ACE related carboxypeptidase; ACE-related carboxypeptidase; ACE2_HUMAN; ACEH; Angiotensin converting enzyme 2; Angiotensin converting enzyme homolog; Angiotensin converting enzyme like protein; Angiotensin I Converting Enzyme (peptidyl dipeptidase A) 2; Angiotensin I converting enzyme 2; Angiotensin-converting enzyme homolog; DKFZP434A014; EC 3.4.17; metalloprotease MPROT 15; Metalloprotease MPROT15; OTTHUMP00000022963; Processed angiotensin-converting enzyme 2; ACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse ACE2
Sequence Length	805
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 ACE2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ACE2 elisa kit

Principle of the assay: mouse ACE2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for ACE2 has been precoated onto 96-well plates. Standards(CHO, Q18-T740) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ACE2 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 ACE2 amount of sample captured in plate.

Background: Angiotensin-converting enzyme 2 (ACE 2) is a protein belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. By sequence similarity to a sequence in GenBank, this gene is mapped to Xp22.2. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71152217
NCBI GeneID	70008
UniProt Accession #	Q8R0I0; Q99N70; Q99N71
Molecular Weight	40,340 Da
NCBI Official Full Name	Angiotensin-converting enzyme 2
NCBI Official Synonym Full Names	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2
NCBI Official Symbol	Ace2
NCBI Official Synonym Symbols	2010305L05Rik
NCBI Protein Information	angiotensin-converting enzyme 2; ACE-related carboxypeptidase; angiotensin I converting enzyme 2
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	Ace2
UniProt Entry Name	ACE2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/ace2/46011>