

Mouse ACE2 ELISA Kit | ACE2 elisa kit

Mouse ACE2 ELISA Kit

CATALOG # AAA105608	REACTIVITY Mouse	APPLICATIONS ELISA
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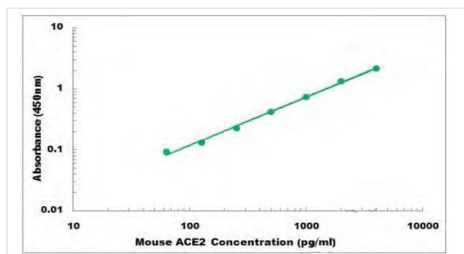
PRODUCT SYNONYMS

ACE2; Mouse ACE2 ELISA Kit; Angiotensin-converting enzyme 2; ACE-related carboxypeptidase; Angiotensin-converting enzyme homolog; ACEH; Metalloprotease MPROT15; ACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse ACE2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse ACE2 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	805
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 10 pg/ml
Applicable Applications for ACE2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE2 elisa kit

Principle of the Assay: The AAA Biotech' Mouse ACE2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse ACE2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse ACE2 coated on a 96-well plate. Standards and samples are pipetted into the wells and ACE2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse ACE2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ACE2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: 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 #	194473667
NCBI GeneID	70008
NCBI Accession #	NP_001123985.1
NCBI GenBank Nucleotide #	NM_001130513.1
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/ace2/105608>