Human Angiotensin I Converting Enzyme 2 Antibody (ACE2) ELISA Kit | ACE2 elisa kit

Human Anti-Angiotensin I Converting Enzyme 2 Antibody (Anti-ACE2)(Competitive EIA) ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA150894	**Human**	**ELISA**

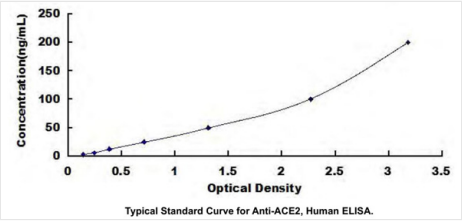
PRODUCT SYNONYMS

Angiotensin I Converting Enzyme 2 Antibody (ACE2); Human Anti-Angiotensin I Converting Enzyme 2 Antibody (Anti-ACE2)(Competitive EIA) ELISA Kit; ELISA Kit for Anti-Angiotensin I Converting Enzyme 2 Antibody (Anti-ACE2); Anti-ACE2/Anti-Angiotensin I Converting Enzyme 2 Antibody; ACEH; ACEII; ACE-II; Peptidyl-Dipeptidase A; ACE-related carboxypeptidase; Angiotensin-converting enzyme homolog; Metalloprotease MPROT15; ACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-ACE2. No significant cross-reactivity or interference between Anti-ACE2 and analogues was observed.
Samples	Human serum, plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.15ng/mL
Applicable Applications for ACE2 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-ACE2 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 Anti-ACE2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with ACE2. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-ACE2 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 Anti-ACE2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-ACE2 in human serum, plasma and other biological fluids.
Product Categories/Family for ACE2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NM_021804.2
UniProt Accession #	Q9BYF1; Q6UWP0; Q86WT0; Q9NRA7; Q9UFZ6; C7ECU1
Molecular Weight	92,463 Da
NCBI Official Full Name	angiotensin-converting enzyme 2
NCBI Official Synonym Full Names	angiotensin I converting enzyme 2
NCBI Official Symbol	ACE2
NCBI Official Synonym Symbols	ACEH
NCBI Protein Information	angiotensin-converting enzyme 2; peptidyl-dipeptidase A; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin-converting enzyme homolog; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	**ACE2**
UniProt Synonym Gene Names	ACEH
UniProt Entry Name	ACE2_HUMAN

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/human-elisa-kits/angiotensin-i-converting-enzyme-2-antibody-ace2/150894