

Human Angiotensin II Converting Enzyme ELISA Kit | ACE II elisa kit

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CATALOG #
AAA16136

REACTIVITY
Human

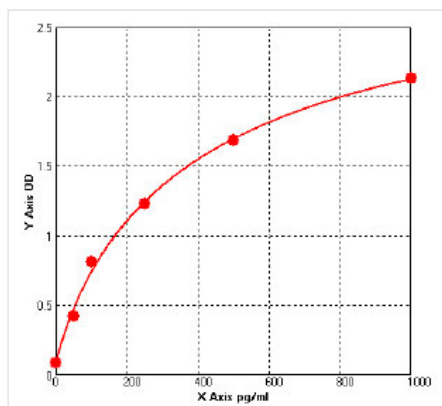
PRODUCT SYNONYMS

Angiotensin II Converting Enzyme; Human Angiotensin II Converting Enzyme ELISA Kit; Angiotensin II Converting Enzyme (Human); ACE II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACE2. No significant cross-reactivity or interference between ACE2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACE2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE II elisa kit	Intended Uses: This ACE2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACE2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACE2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ACE2. Standards or samples are then added to the microtiter plate wells and ACE2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ACE2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ACE2 are added to each well to "sandwich" the ACE2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ACE2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACE2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACE II elisa kit	Human ELISA Kit

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
Molecular Weight	92,463 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	ACEH; DKFZp434A014
NCBI Protein Information	angiotensin-converting enzyme 2; OTTHUMP00000022963; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin-converting enzyme homolog
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	ACE2
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://www.aaabiotech.com/ace-ii-human-elisa-kits/angiotensin-ii-converting-enzyme/16136>