

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

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CATALOG #
AAA82271

REACTIVITY
GuineaPig

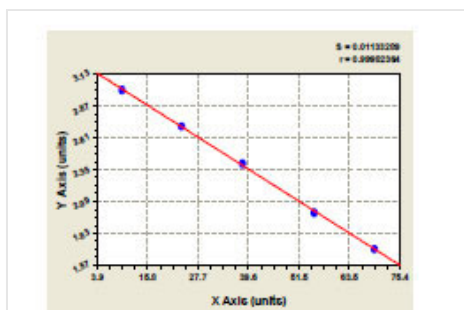
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/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 Guinea pig ACE2.

Principle of the Assay: ACE2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACE2 antibody and an ACE2-HRP conjugate. The assay sample and buffer are incubated together with ACE2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACE2 concentration since ACE2 from samples and ACE2-HRP conjugate compete for the anti-ACE2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACE2 from the sample, fewer sites are left to bind ACE2-HRP conjugate. 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

Guinea Pig 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://stage.aaabiotech.com/ace-ii-pig-elisa-kits/angiotensin-ii-converting-enzyme/82271>