

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

Human Angiotensin Converting Enzyme 2 (ACE2) ELISA Kit

CATALOG #
AAA331069

REACTIVITY
Human

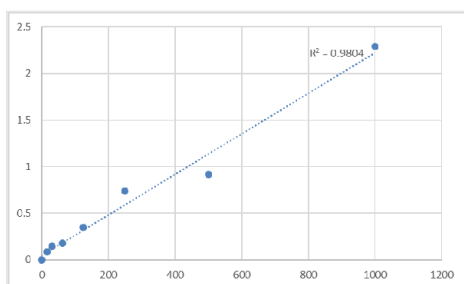
PRODUCT SYNONYMS

Angiotensin Converting Enzyme 2 (ACE2); Human Angiotensin Converting Enzyme 2 (ACE2) ELISA Kit; ACE2; ACEH; DKFZp434A014; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin converting enzyme-like protein; ACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Angiotensin converting enzyme 2 (ACE2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACE2. No significant cross-reactivity or interference between Human ACE2 and analogues was observed.
Sequence Length	805
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Angiotensin converting enzyme 2 (ACE2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACE2 elisa kit	Description: This Human Angiotensin converting enzyme 2 (ACE2) ELISA Kit employs a two-site sandwich ELISA to quantitate ACE2 in samples. An antibody specific for ACE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACE2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACE2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ACE2 is an exopeptidase that catalyses the conversion of angiotensin I to the nonapeptide angiotensin,or the conversion of angiotensin II to angiotensin. ACE 2 has direct effects on cardiac function, and is expressed predominantly in vascular endothelial cells of the heart and the kidneys.By EST database searching for sequences showing homology to the zinc metalloprotease angiotensin-I converting enzyme (ACE) and by screening a human lymphoma cDNA library, Tipnis et al. (2000) cloned a full-length ACE2 cDNA, which they called ACEH, encoding a deduced 805-amino acid protein that shares approximately 40% identity with the N- and C-terminal domains of ACE. ACE2 contains a potential 17-amino acid N-terminal signal peptide and a putative 22-amino acid C-terminal membrane anchor.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NP_068576.1
UniProt Accession #	Q9BYF1
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
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.