

Canine Angiotensin I Converting Enzyme 2 ELISA Kit | ACE2 elisa kit

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CATALOG #
AAA92722

REACTIVITY
Canine

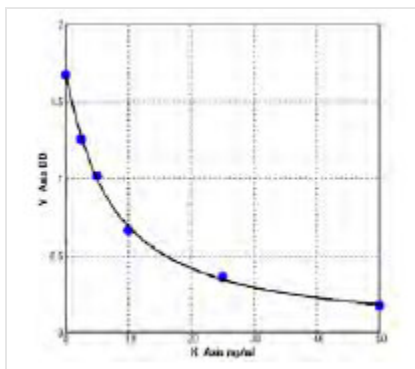
PRODUCT SYNONYMS

Angiotensin I Converting Enzyme 2; Canine Angiotensin I Converting Enzyme 2 ELISA Kit; ACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE2 elisa kit	Intended Uses: This ACE2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACE2. This ELISA kit for research use only, not for therapeutic or test applications! 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 ACE2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NM_021804.2
Molecular Weight	63,912 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	UNQ868/PRO1885; 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.