



Rat Angiotensin converting enzyme 2, ACE2

ELISA Kit

Product Code	CSB-E14308r
Abbreviation	ACE2
Uniprot No.	Q5EGZ1
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.02 ng/ml - 20 ng/ml
Sensitivity	0.02 ng/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	Ace2
Tag Info	quantitative
Protein Description	Sandwich

Description

The product CSB-E14308r is a sandwich ELISA kit developed to measure levels of rat angiotensin-converting enzyme 2 (ACE2) in serum, plasma, or tissue homogenates. The enzyme-substrate chromogenic reaction is also used to amplify the signal and quantify the levels of the analyte through the intensity of the colored product. The color intensity positively correlates with the amount of ACE2 bound in the initial step.

ACE2 is a negative regulator of the renin-angiotensin system (RAS) and contributes to catalyzing the conversion of angiotensin II to angiotensin 1-7, thereby counterbalancing ACE activity. Increasing evidence demonstrates that the enzymatic activity of ACE2 plays a protective role in cardiovascular diseases. Loss of ACE2 can be detrimental, as it results in functional deterioration of the heart and progression of cardiac, renal, and vascular pathologies. ACE2 also acts as the key SARS coronavirus receptor and stabilizer of neutral amino acid transporters. ACE2 has recently been shown to act as a major receptor for the SARS-CoV-2 S protein enabling viral fusion and entry into the host cells.

**Msds**

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