

Human Endothelin-converting enzyme 2 (ECE2) ELISA Kit



Catalog No: #EK10502

Orders: order@signalwayantibody.com

Package Size: #EK10502-1 48T #EK10502-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Endothelin-converting enzyme 2 (ECE2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	hCG_2022032; KIAA0604; MGC17664; MGC2408; MGC78487;
Accession No.	O60344
Uniprot	O60344
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.046 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ECE2 in samples. An antibody specific for ECE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyECE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ECE2 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 ECE2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Endothelin-converting enzymes, such as ECE2 are type II metalloproteases that generate functionally pleiotropic members of the endothelin vasoactive peptide family.The deduced protein contains 765 amino acids. ECE2 had an apparent molecular mass of 81 kD by SDS-PAGE.The ECE2A variant contains exons 1A and 2A and encodes a deduced 787-amino acid protein with a calculated molecular mass of 89.1 kD. ECE2A has an intracytoplasmic tail, a transmembrane domain, and a large extracellular catalytic domain with a zinc-binding motif conserved in Zn(2+) metalloproteases. It has 9 N-glycosylation sites. The ECE2B variant contains exons 1B and 2B and encodes a deduced 682-amino acid protein with a calculated molecular mass of 86.4 kD. ECE2B differs from ECE2A only in the intracytoplasmic tail.

Note: This product is for in vitro research use only