

Mouse Endothelin Converting Enzyme 2 (ECE2) ELISA Kit | ECE2 elisa kit

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CATALOG #
AAA189833

REACTIVITY
Mouse

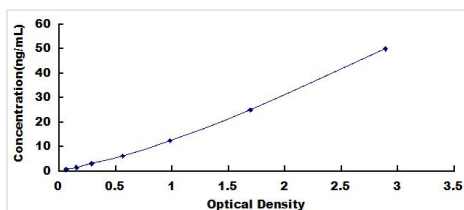
PRODUCT SYNONYMS

Endothelin Converting Enzyme 2 (ECE2); Mouse Endothelin Converting Enzyme 2 (ECE2) ELISA Kit; Methyltransferase-like region; ECE2/Endothelin Converting Enzyme 2; ECE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ECE2. No significant cross-reactivity or interference between ECE2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.31ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ECE2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ECE2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ECE2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ECE2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ECE2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ECE2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ECE2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ECE2 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for ECE2 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	120953156
NCBI GeneID	107522
NCBI Accession #	NP_079738.2
NCBI GenBank Nucleotide #	NM_025462.2
UniProt Accession #	Q80Z60; Q14BY3; Q80Z59; Q9D8Q9; Q9D928
Molecular Weight	99,707 Da
NCBI Official Full Name	endothelin-converting enzyme 2 isoform c
NCBI Official Synonym Full Names	endothelin converting enzyme 2
NCBI Official Symbol	Ece2
NCBI Official Synonym Symbols	BB127715; 1810009K13Rik; 6330509A19Rik; 9630025D12Rik
NCBI Protein Information	endothelin-converting enzyme 2; ECE-2
UniProt Protein Name	Endothelin-converting enzyme 2
UniProt Gene Name	Ece2
UniProt Synonym Gene Names	ECE-2
UniProt Entry Name	ECE2_MOUSE

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.