Mouse ACE2 AccuSignal ELISA Kit - KOA0687

Code: KOA0687 **Size:** 1 Kit

Product Description: Mouse ACE2 AccuSignal ELISA Kit - KOA0687

PhysicalState:

Label	Unconjugated
Gene Name	ACE2
Species Reactivity	Mouse
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	ACE 2, ACE related carboxypeptidase, ACE-related carboxypeptidase, ACE2, ACE2_HUMAN, ACEH, Angiotensin converting enzyme 2, Angiotensin converting enzyme homolog, Angiotensin converting enzyme like protein, Angiotensin I Converting Enzyme (peptidyl dipeptidase A) 2, Angiotensin I converting enzyme 2, Angiotensin-converting enzyme homolog, DKFZP434A014, EC 3.4.17, metalloprotease MPROT 15, Metalloprotease MPROT15, OTTHUMP00000022963, Processed angiotensin-converting enzyme 2
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse ACE2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse ACE2 standard solution and each sample is measured in duplicate.
Background	AngiotensinI-converting enzyme 2(ACE 2) is a protein belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. By sequence similarity to a sequence in GenBank, this gene is mapped to Xp22.2. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63.
Purity And Specificity	Natural and recombinant mouse ACE2. There is no detectable cross-reactivity with other relevant proteins.
ELISA	62.5pg/ml-4000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: CHO; Immunogen sequence: Q18-T740
Anti-Coagulant	Heparin Sodium

Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

	UniProtKB - Q8R0I0
http://www.uniprot.org/uniprot/Q8R0I0	
NCBI - NP_001123985.1	http://www.ncbi.nlm.nih.gov/protein/NP_001123985.1
	GeneID - 70008

http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=70008	
KOA0687 Protocol	http://www.rockland-inc.com/uploadedfiles/Support/KOA0687-%20SZ.pdf

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