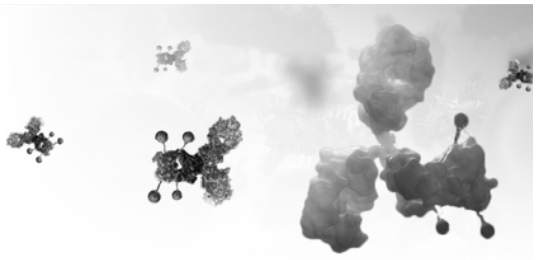

Human ACE2 blocking peptide (CDBP0286)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	ACE2 peptide (169 - 183)
Antigen Description	The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. 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.
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	0.2 mg/ml
Size	50 µg
Buffer	Phosphate-buffered saline, pH 7.2, containing 0.1% BSA and 0.02% Sodium azide
Preservative	0.02% Sodium Azide
Storage	Keep as concentrated solution. Aliquot and store at -20℃ or below. Avoid freeze-thaw cycles.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	ACE2 angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 [Homo sapiens]
Official Symbol	ACE2
Synonyms	ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme 2; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin-converting enzyme homolog; ACEH;
Entrez Gene ID	59272
mRNA Refseq	NM_021804
Protein Refseq	NP_068576
UniProt ID	Q9BYF1
Chromosome Location	Xp22
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Renin-angiotensin system, organism-specific biosystem; Renin-angiotensin system, conserved biosystem;
Function	carboxypeptidase activity; endopeptidase activity; glycoprotein binding; metal ion binding; NOT metallopeptidase activity; peptidase activity; NOT peptidyl-dipeptidase activity; viral receptor activity; zinc ion binding;

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