



Mouse Anti-Human ACE-2 Monoclonal Antibody, clone BD495 (CABT-Z398M)

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

PRODUCT INFORMATION

Immunogen	Recombinant human ACE-2.
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	BD495
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB, ELISA, FC, IHC-P, BL, Neut Recommended dilution: WB: 1:2000-1:10000 ELISA: 1:2000-1:10000
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS, pH 7.4.
Preservative	None
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

BACKGROUND

Introduction

Angiotensin I Converting Enzyme 2 (ACE2), also known as ACEH (ACE homologue), is an integral membrane protein and a zinc metalloprotease of the ACE family (theoretical molecular weight 92 kDa). The predicted mouse ACE2 protein sequence consists of 798 amino acids, including an N-terminal signal peptide, a single catalytic domain, a C-terminal membrane anchor, and a short cytoplasmic tail. Mouse ACE2 is 40% homologous in amino acid identity to the N- and C-terminal domains of mouse somatic ACE. Enzymatically, ACE2 converts the inactive vasoconstrictor angiotensin I (AngI) to Ang1-9 and the active form AngII to Ang1-7, unlike ACE, which converts Ang I to Ang II.

Keywords

ACE2;Angiotensin-converting enzyme 2

GENE INFORMATION

Gene Name

ACE2

Entrez Gene ID

[59272](#)

UniProt ID

[Q9BYF1](#)
