

Product overview

product name	Anti ACE2 mouse monoclonal antibody
catalog No.	ATMA10198Mo
Category	Primary antibody
Host	Mouse
Species specificity	Homo sapiens (Human)
Tested applications	WB,IHC
Clonality	Monoclonal
Clone No.	180-D-2
Conjugation	Unconjugate
Immunogen	Recombinant Human ACE2 protein
Alternative Names	Angiotensin-converting enzyme 2 ,Angiotensin-converting enzyme homolog,ACEH, ACE-related carboxypeptidase,Metalloprotease MPROT15
Uniprot ID	Q9BYF1

Product performance

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Concentration	1mg/ml
Isotype	IgG1
MW	110kDa
Purity	Protein G purified from mice ascites

Dilution range

WB:1:1000~4000;IHC:IHC:1:50~100

Reference



PMID: 10969042,PMID: 11815627,PMID: 14504186,PMID: 19021774,PMID: 18424768,PMID: 19185582,PMID: 27217402

Product background

Essential counter-regulatory carboxypeptidase of the renin-angiotensin hormone system that is a critical regulator of blood volume, systemic vascular resistance, and thus cardiovascular homeostasis . Converts angiotensin I to angiotensin 1-9, a nine-amino acid peptide with anti-hypertrophic effects in cardiomyocytes, and angiotensin II to angiotensin 1-7, which then acts as a beneficial vasodilator and anti-proliferation agent, counterbalancing the actions of the vasoconstrictor angiotensin II.