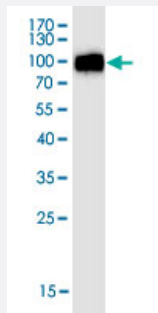


ACE2 monoclonal antibody (M05), clone CC11

Catalog # H00059272-M05

Size 100 ug

Applications



Western Blot detection against Immunogen (82.61 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ACE2.

Immunogen

ACE2 (NP_068576.1, 18 a.a. ~ 740 a.a) partial recombinant protein with GST tag.

Sequence

QSTIEEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEENVQNMNNAAGDKWSAFLKEQSTLAQ
MYPLQEIQNLTVKLQALQQNGSSVLSEDKSKRLNTILNTMSTIYSTGKVCNPDNPQECLLLEPG
LNEIMANSLDYNERLWAWESWRSEVGKQLRPLYEEYVVLKNEMARANHYEDYGDYWRGDYEVN
GVDGYDYSRGLIEDVEHTFEEIKPLYEHLHAYVRAKLMNAYPSYISPIGCLPAHLLGDMWGRFWT
NLYSLTVPFGQKPNIDVTDAMVDQAWDAQRIKFAEKFFVSVGLPNMTQGFWENSMLTDPGNV
QKAVCHPTAWDLGKGDFRILMCTKVTMDDFLTAHHEMGGHIQYDMAYAAQPFLLRNGANEGFHEA
VGEIMSLSAATPKHLKSIGLLSPDFQEDNETEINFLKQALTVGTLPTMYMLEKWRWMVFKGEIPK
DQWMKKWWEMKREIVGVPEVPHDETYCDPASLFHVSNDYSFIRYYTRTLYQFQFQEQALCQAAK
HEGPLHKCDISNSTEAGQKLFNMLRLGKSEPWTALENVVGAKNMNVRPLLNYFEPLFTWLKDQ
NKNSFVGWSTDWSPYADQSIKVRISLKSALGDKAYEWDNEMYLFRSSVAYAMRQYFLKVKNQM
ILFGEEDVRVANLKPRISFNFFVTAPKNVSDIIPRTEVEKAIRMSRSRINDAFRLNDNSLEFLGIQPTL
GPPNQPPVS

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (82.61 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ACE2

Entrez GeneID

[59272](#)

GeneBank Accession#

[NM_021804.1](#)

Protein Accession#

[NP_068576.1](#)

Gene Name

ACE2

Gene Alias

ACEH, DKFZp434A014

Gene Description

angiotensin I converting enzyme (peptidyl-dipeptidase A) 2

Omim ID

[300335](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxypeptidases 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. [provided by RefSeq]

Other Designations

ACE-related carboxypeptidase[OTTHUMP00000022963]angiotensin I converting enzyme 2[angiotensin converting enzyme-like protein]

Pathway

- [Renin-angiotensin system](#)

Disease

- [Arrhythmias](#)
- [Atrial Fibrillation](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypotension](#)
- [Intracranial Aneurysm](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Sarcoidosis](#)