

Product datasheet for **AM33487PU-N**

Angiotensin Converting Enzyme 2 (ACE2) (C-term) Mouse Monoclonal Antibody [Clone ID: 11A31]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11A31
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human ACE-2 recombinant protein (extracellular domain).
Specificity:	This antibody was selected for its ability to detect ACE-2.
Formulation:	Sterile PBS State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 0.2 ml sterile water to the final concentration is 0.5 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	angiotensin I converting enzyme 2
Database Link:	Entrez Gene 59272 Human Q9BYF1



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Background:

The protein encoded by the gene ACE 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.

Synonyms:

Angiotensin-converting enzyme 2