

ACE2 monoclonal antibody, clone AC18F

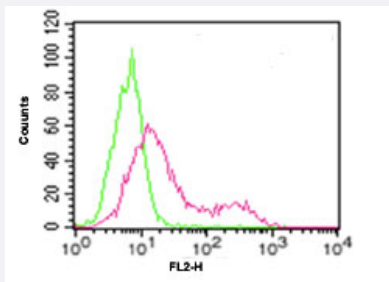
Catalog # MAB16024 Size 100 ug

Applications



Western Blot

Western Blot of ACE2 monoclonal antibody, clone AC18F at 1:2000 dilution. Lane 1: hACE2 (Fc protein). Lane 2: hACE2 (Ecto domain) (FLAG-Tag) . Lane 3: Other hGTR (Fc protein) (control).



Flow Cytometry

The HepG2 cell line is treated with CellTase solution before analysis and then stained with ACE2 monoclonal antibody, clone AC18F (pink line) (Cat# MAB16024) or an isotype control, mouse IgG1 (green line) at 1 ug/10⁶ cell each, revealed with a PE-conjugated goat anti-mouse IgG and then analyzed to flow cytometry.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ACE2.
Immunogen	Recombinant protein corresponding to human ACE2.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa

Recommend Usage	ELISA (1:2000-10000) Flow Cytometry (1:1000) Western Blot (1:2000-10000) The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS, pH 7.4.
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Storage Instruction	For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot

Western Blot of ACE2 monoclonal antibody, clone AC18F at 1:2000 dilution. Lane 1: hACE2 (Fc protein). Lane 2: hACE2 (Ecto domain) (FLAG-Tag) . Lane 3: Other hGITR (Fc protein) (control).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

The HepG2 cell line is treated with CellTase solution before analysis and then stained with ACE2 monoclonal antibody, clone AC18F (pink line) (Cat# MAB16024) or an isotype control, mouse IgG1 (green line) at 1 ug/10⁶ cell each, revealed with a PE-conjugated goat anti-mouse IgG and then analyzed to flow cytometry.

Gene Info — ACE2

Entrez GeneID	59272
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Protein Accession#	NP_068576
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Gene Name	ACE2
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Gene Alias	ACEH, DKFZp434A014
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Gene Description	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2
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Omim ID	300335
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Gene Ontology	Hyperlink
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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](#)