Mouse anti-Human ACE-2 Monoclonal Antibody | anti-ACE-2 antibody

anti-ACE2, mAb (Clone: AC18F)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78522	**Mouse**	**Human**	**Flow Cytometry, Functional Assay, Western Blot, ELISA**

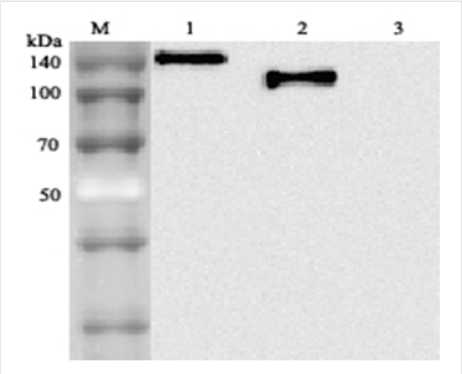
PRODUCT SYNONYMS

ACE-2; Monoclonal Antibody; anti-ACE2; mAb (Clone: AC18F); Angiotensin-converting enzyme 2; anti-ACE-2 antibody

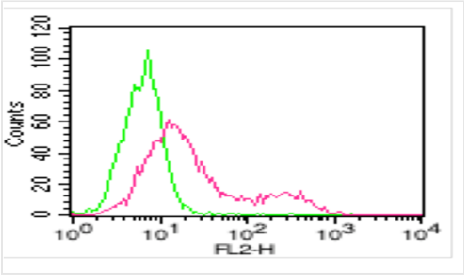
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AC18F
Specificity	Recognizes human ACE2.
Purity/Purification	Protein G-affinity purified
Form/Format	Purified. Liquid. 0.2um-filtered solution in PBS, pH7.4. Contains no preservatives.
Concentration	1mg/ml (varies by lot)
Sequence Length	805
Applicable Applications for anti-ACE-2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human ACE2
Antigen	ACE2
Preparation and Storage	Short Term Storage: 4 degree C Long Term Storage: -20 degree C After opening, prepare aliquots and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Figure 2: Western blot analysis using anti-ACE2 (human), mAb (AC18F) at 1: 2,000 dilution.; 1. hACE2 (Fc protein).; 2. hACE2 (Ecto domain) (DYKDDDDK-tagged).; 3. Other hGITR (Fc protein) (control).



FCM/FACS (Flow Cytometry)
Figure 1: FACS: Cell Surface staining of human ACE2 on HepG2 cell line. Red: Human anti-ACE2 antibody (Clone:AC18F), 1ug/10^6 cells were used. Green : Isotype control, mouse IgG1, 1ug/ 10^6 cells was used as control. PE conjugated Goat anti-mouse IgG was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ACE-2 antibody	Angiotensin-converting enzyme2 (ACE2) is an ectoenzyme (carboxypeptidase) with an extracellular catalytic domain that predominantly localizes at the plasma membrane and is thereby able to hydrolyze circulating peptides. ACE2 has approximately 42% sequence identity with ACE, and its cytoplasmic and transmembrane domains show 48% homology to the protein collectrin that plays a critical role in the amino acid absorption of the kidney. ACE2 converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. ACE2 is involved in the regulation of systemic blood pressure and has direct effects on cardiac functions. It is expressed predominantly in endothelial cells of the lung, gut, heart and kidney. ACE2 together with the protease TMPRSS2 acts as a functional receptor for SARS coronavirus as well as for the new highly pathogenic coronavirus, 2019-nCoV/SARS-CoV-2, which is cause for pneumonia COVID-19.
Product Categories/Family for anti-ACE-2 antibody	Antibodies; Cell Signalling

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NP_068576.1
UniProt Accession #	Q9BYF1
NCBI Official Full Name	angiotensin-converting enzyme 2
NCBI Official Synonym Full Names	angiotensin I converting enzyme 2
NCBI Official Symbol	ACE2
NCBI Official Synonym Symbols	ACEH
NCBI Protein Information	angiotensin-converting enzyme 2
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	**ACE2**
UniProt Synonym Gene Names	ACEH
UniProt Entry Name	ACE2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/ace-2-antibody-clone-ac18f-flow-cytometry-western-blot-elisa/78522