

Product Datasheet

ACE-2 Antibody (AC18F) - Azide and BSA Free NBP2-80035-100ug

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-80035-100ug

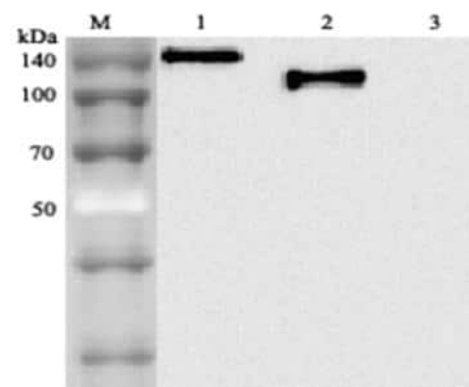
ACE-2 Antibody (AC18F) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	AC18F
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	0.2 um-filtered solution in PBS, pH 7.4, 10% glycerol
Product Description	
Host	Mouse
Gene ID	59272
Gene Symbol	ACE2
Species	Human
Specificity/Sensitivity	Recognizes human ACE-2. Does not detect recombinant human ACE-2 that has a tag at the C-terminus of the protein.
Immunogen	Recombinant human ACE-2.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, CyTOF-ready
Recommended Dilutions	Western Blot 1:2000 - 1:10000, Flow Cytometry 1:1000, ELISA 1:2000 - 1:10000, CyTOF-ready
Application Notes	Western blot: Use ECL substrate. Suggested blocking and dilution buffer is PBST with 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature.

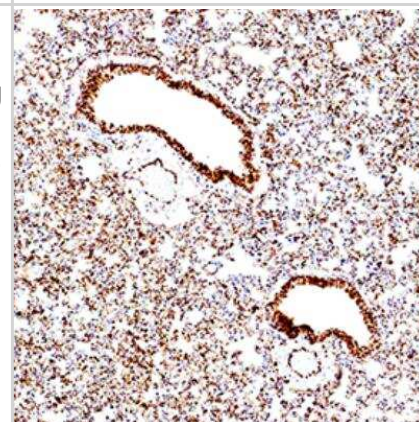


Images

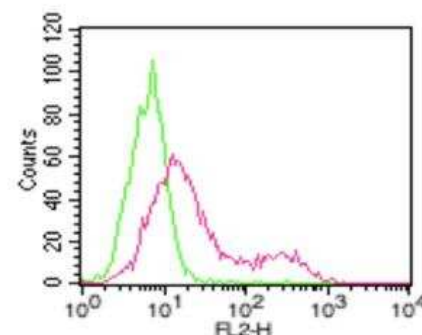
Western Blot: ACE-2 Antibody (AC18F) [NBP2-80035] - Western blot analysis using anti-ACE2 (human), mAb (AC18F) at 1: 2,000 dilution. Lane 1. hACE2 (Fc protein). Lane 2. hACE2 (Ecto domain) (FLAG(R)-tagged). Lane 3. Other hGITR (Fc protein) (control).



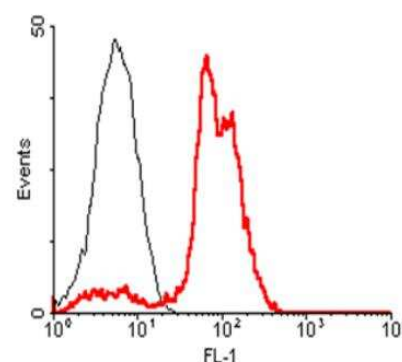
Immunohistochemistry-Paraffin: ACE-2 Antibody (AC18F) [NBP2-80035] - ACE-2 staining in paraffin-embedded sections of hamster lung tissue using Mouse Anti-Human ACE-2 (AC18F) Monoclonal Antibody (Catalog # NBP2-80035) at 10 ug/ml overnight at 4 degrees C. Detection kit: VC001. Counterstain: Hematoxylin. Localization: respiratory bronchioles.



Flow Cytometry: ACE-2 Antibody (AC18F) [NBP2-80035] - Detection of endogenous human ACE2 by anti-ACE2 (h), mAb (AC18F). HepG2 cell line treated with CellTase solution (Abeomics) before analysis and then stained with anti-ACE2 (h), mAb (AC18F) (red line) or an isotype control, mouse IgG1 (green line) at 1ug/10E6 cells each, revealed with a PE-conjugated goat anti-mouse IgG and then analyzed by flow cytometry.



Flow Cytometry: ACE-2 Antibody (AC18F) [NBP2-80035] - HepG2 cells were stained significantly using anti-ACE2 (human), mAb (AC18F).



Publications

Saccon TD, Mousovich-Neto F, Ludwig RG et al. SARS-CoV-2 infects adipose tissue in a fat depot- and viral lineage-dependent manner *Nature communications* 2022-09-29 [PMID: 36175400] (WB)

Song X, Hu W, Yu H et al. High expression of angiotensin-converting enzyme-2 (ACE2) on tissue macrophages that may be targeted by virus SARS-CoV-2 in COVID-19 patients *Phytomed Plus* 2022-04-11 [PMID: 35399819]

Tada T, Fan C, Kaur R et al. A Soluble ACE2 Microbody Protein Fused to a Single Immunoglobulin Fc Domain is a Potent Inhibitor of SARS-CoV-2 Infection *Cell Rep* 2020-12-16 [PMID: 33326798]

Welch JL, Xiang J, Chang Q et al. Human T cells express Angiotensin Converting Enzyme 2 at levels sufficient to interact with the SARS-CoV-2 Spike protein *The Journal of infectious diseases* 2021-12-16 [PMID: 34918095] (FLOW)

Saiz ML, De Diego ML, LOpez-Garcia D Et al. Epigenetic targeting of the ACE2 and NRP1 viral receptors limits SARS-CoV-2 infectivity *Clinical epigenetics* 2021-10-11 [PMID: 34635175] (WB)

Schwabenland M, SaliE H, Tanevski J et al. Deep spatial profiling of COVID19 brains reveals neuroinflammation by compartmentalized local immune cell interactions and targets for intervention *Immunity* 2021-06-09 [PMID: 34174183]

Song X, Hu W, Yu H et al. Little to no expression of angiotensin-converting enzyme-2 on most human peripheral blood immune cells but highly expressed on tissue macrophages *Cytometry. Part A : the journal of the International Society for Analytical Cytology* 2020-12-06 [PMID: 33280254] (FLOW, Human)

Barkama R, Mayo A, Paz A et al. Placenta-Derived Cell Therapy to Treat Patients With Respiratory Failure Due to Coronavirus Disease 2019 *Critical care explorations* 2020-09-01 [PMID: 32984833] (Human)

Bengsch B, Schwabenland M, SaliE H et al. Deep spatial profiling of COVID19 brains reveals neuroinflammation by compartmentalized local immune cell interactions and targets for intervention *Research Square* Aug 28 2020 12:00AM (IHC, Human)



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-76614PEP	ACE-2 Antibody Blocking Peptide

Limitations

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