

Mouse COVID 19 Spike Protein ACE2 Binding Domain Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

SARS-CoV-2 S-Protein ACE2 Binding Domain

CATALOG # AAA72833	HOST Mouse	APPLICATIONS Immunocytochemistry, Western Blot
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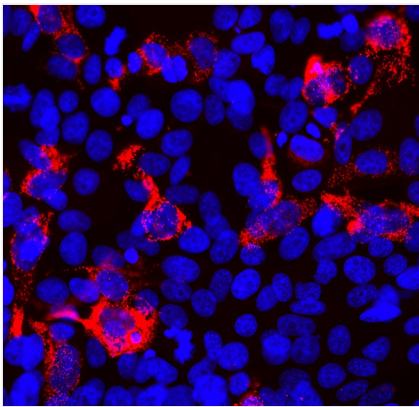
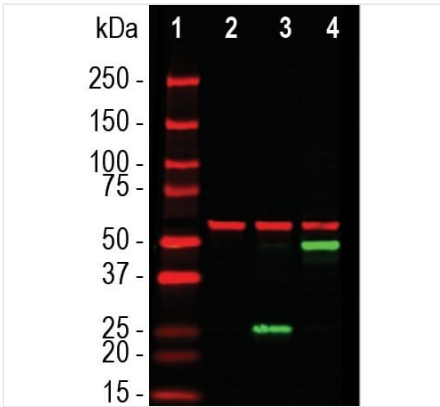
PRODUCT SYNONYMS

COVID 19 Spike Protein ACE2 Binding Domain Coronavirus; Monoclonal Antibody; SARS-CoV-2 S-Protein ACE2 Binding Domain; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike Protein ACE2 Binding Domain; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5G8
Purity/Purification	Protein G purified culture supernatant
Form/Format	100ul in PBS + 50% glycerol + 5 mM sodium azide.
Applicable Applications for anti-COVID-19 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Species Positively Tested	SARS-CoV-2
Immunogen Species	SARS-CoV-2
Immunogen Information	Recombinant SARS-CoV2 S-Protein ACE2 binding domain expressed in and purified from E Coli
Antigen	The antigen is a recombinant SARS-CoV-2 S-Protein construct containing the ACE2 binding domain expressed in and purified from E Coli. The antibody is Protein G purified culture supernatant.
Preparation and Storage	Storage at -20 degree C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20 degree C. Shipping: Blue Ice Country of Origin: USA

IMAGES



WB (Western Blot)

Western blot showing specific labeling of SARS-CoV-2 at ~ 25k in green in lane 3. Lane 4 shows GFP-tagged SARS-CoV-2 at ~ 50k in green and lane 2 shows no CoV-2 staining in untransfected cells. The red bands show staining with HSP60 as a loading control.

ICC (Immunocytochemistry)

SARS-CoV-2 transfected HEK293 cells showing specific staining of SARS-CoV-2 in red. Nuclei are visualized in blue with DAPI.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody

The novel SARS-coronavirus 2 (SARS-CoV-2) which causes the disease COVID-19 has been shown to utilize the SARS-CoV receptor ACE2 for entry into human cells (Hoffman, M. et al., Cell 2020). The entry of a coronavirus into host cells is mediated by the viral surface-anchored transmembrane spike (S) glycoprotein which is composed of two functional subunits, S1 which binds the receptor and S2 which fuses the membrane (Walls, AC et.al., Cell 2020). S1 contains a receptor-binding domain (RBD) which specifically recognizes ACE2 as its receptor (Wan, Y. et al., 2020).

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
Molecular Weight	25/142kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/covid-19-spike-protein-ace2-binding-domain-coronavirus-antibody-clone-5g8-immunocytochemistry-western-blot-elisa/72833>