

Mouse COVID 19 Spike S1 Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Anti-S1 (SARS-CoV-2) Mouse Monoclonal Antibody

CATALOG # AAA13783	HOST Mouse	APPLICATIONS Western Blot, ELISA
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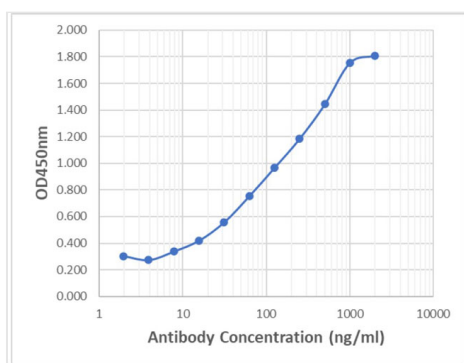
PRODUCT SYNONYMS

COVID 19 Spike S1 Coronavirus; Monoclonal Antibody; Anti-S1 (SARS-CoV-2) Mouse Monoclonal Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike S1; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

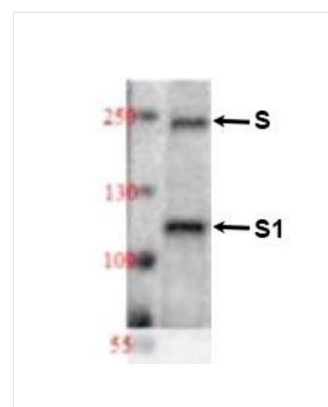
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	CR3022; Mouse recombinant monoclonal antibody
Specificity	Reacts with S1 and Spike RBD domain protein from coronavirus SARS-CoV-2. Cross reaction to Spike RBD and S1 protein from other coronavirus not tested.
Purity/Purification	Affinity chromatography
Concentration	1 ug/ul in PBS (varies by lot)
Applicable Applications for anti-COVID-19 antibody	WB (Western Blot), ELISA
Application Notes	Western blot (1:1,000-1:2,000) and ELISA (1:5,000-10,000), May be used for other applications.
Immunogen	Recombinant SARS-CoV-2 S1 protein. (The original CR3022 antibody was generated by sequencing peripheral blood lymphocytes of a patient exposed to the SARS-CoV).
Preparation and Storage	Store at -20°C; Stable for up to 6 months from the date of receipt when kept at 4°C. Non-hazardous. No MSDS required.

IMAGES



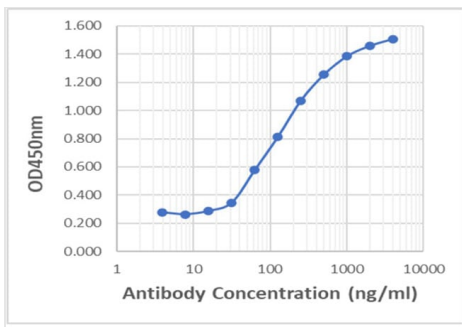
ELISA

Figure 3. Titration curves of anti-Spike (SARS-CoV-2) mouse monoclonal antibody. 96-well corning ELISA plate was coated with SARS-CoV-2 RBD-domain protein at a concentration of 1.5 ug/ml.



WB (Western Blot)

Figure 2. Western blot of SARS-CoV-2 spike proteins using anti-Spike mouse monoclonal antibody (AAA13783) (1:2000 dilution)



ELISA

Figure 1. Titration curves of anti-Spike (SARS-CoV-2) mouse monoclonal antibody. 96-well corning EILSA plate was coated with SARS-CoV-2 spike S1 protein at a concentration of 1.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody

Mouse monoclonal anti-SARS-CoV-2 Spike antibody expressed and purified from XtenCHO cells

The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleoprotein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RCB) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses.

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-s1-coronavirus-antibody-clone-cr3022-mouse-recombinant-monoclonal-antibody-western-blot-elisa/13783>