

Human COVID 19 Spike S1 IgM Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Anti-S1 (SARS-CoV-2) Human Monoclonal Antibody, IgM

CATALOG # AAA62093	HOST Human	APPLICATIONS ELISA, Western Blot
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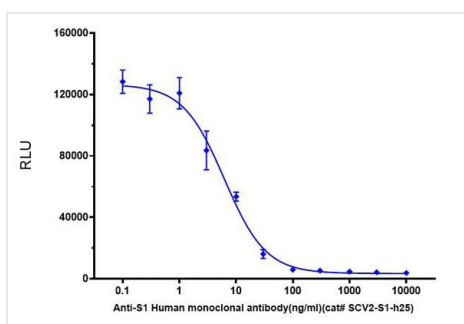
PRODUCT SYNONYMS

COVID 19 Spike S1 IgM Coronavirus; Monoclonal Antibody; Anti-S1 (SARS-CoV-2) Human Monoclonal Antibody; IgM; 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 IgM; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

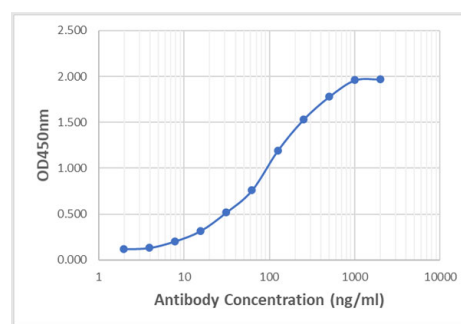
Host	Human
Clonality	Monoclonal
Isotype	Human IgM
Clone Number	CR3022
Specificity	Reacts to spike protein of SARS-CoV-2. Cross-reaction to spike protein from other corona virus not tested
Purity/Purification	Affinity chromatography
Concentration	1ug/ul in PBS, pH7.4 (varies by lot)
Applicable Applications for anti-COVID-19 antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant SARS-CoV-2 spike protein
Preparation and Storage	Store at -20 degree C Stable for 6-months from the date of shipment when kept at 4 degree C. Non-hazardous. No MSDS required.

IMAGES



Application Data

Figure 2. Pseudoviral particle (PP) infection assay challenged by neutralizing antibody (AAA62093). HEK293-ACE2 cells infected with SARS-CoV-2 pseudoviral particles under various amount of neutralizing antibodies



Application Data

Figure 1. Titration curves of anti-S1 (SARS-CoV-2) human monoclonal antibody (AAA62093). 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	Human monoclonal anti-spike (SARS-CoV-2/COVID-19) antibody Introduction: The novel corona virus (SARS-CoV-2), previously called 2019-nCoV, is a newly identifiedcorona virus 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 SARScorona viruses. However, the external subdomain of Spike's receptor binding domain (RCB) ofSARS-CoV-2 shares only 40% amino acid identity with other SARS-related corona viruses.
Product Categories/Family for anti-COVID-19 antibody	Antibodies; Antibodies against Corona virus; Monoclonal Antibodies; Other mAbs

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-igm-coronavirus-antibody-clone-cr3022-western-blot-elisa/62093>