

COVID 19 Spike RBD Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Anti-Spike RBD (SARS-CoV-2/COVID-19) Neutralizing Antibody

CATALOG #
AAA62222

APPLICATIONS
Neutralization Assay, Immunoprecipitation, Immunofluorescence, ELISA, Western Blot

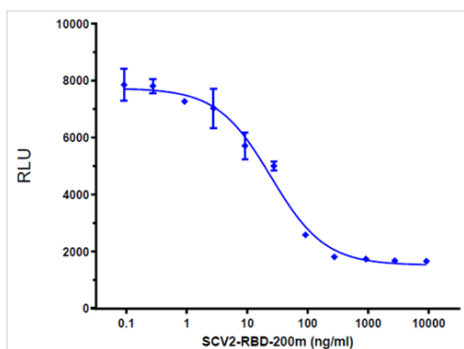
PRODUCT SYNONYMS

COVID 19 Spike RBD Coronavirus; Monoclonal Antibody; Anti-Spike RBD (SARS-CoV-2/COVID-19) Neutralizing Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Anti-Spike RBD Neutralizing Antibody; Receptor Binding Domain; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Isotype	Human IgG
Clone Number	BB6
Specificity	Reacts to SARS-CoV-2 Spike RBD and spike protein. Cross-reaction to RBD domain and spike from other coronavirus not tested.
Purity/Purification	Affinity chromatography
Form/Format	PBS, pH7.4
Concentration	1 ug/ul (varies by lot)
Applicable Applications for anti-COVID-19 antibody	Neutralization Assay, IP (Immunoprecipitation), IF (Immunofluorescence), ELISA, WB (Western Blot)
Immunogen	Recombinant SARS-CoV-2 spike RBD protein
Preparation and Storage	Store at -20°C. Stable for 6-months from the date of shipment when kept at 4°C. Non-hazardous. No MSDS required.

IMAGES



Application Data

Pseudoviral particle (PP) infection assay challenged by neutralizing antibody (Catalog# AAA62222). HEK293-ACE2 cells infected with SARSCoV-2 pseudoviral particles (Catalog#) under various amount of neutralizing antibodies, with IC50 of 24.7 ng/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	Human monoclonal anti-spike RBD (SARS-CoV-2/COVID-19) neutralizing antibody 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.
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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-rbd-coronavirus-antibody-clone-bb6-immunoprecipitation-immunofluorescence-western-blot-elisa/62222>