

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

Anti-SARS CoV2 Spike RBD Antibody (Clone: ABM5H1.1E4)

CATALOG # AAA78542	HOST Mouse	APPLICATIONS Western Blot, ELISA
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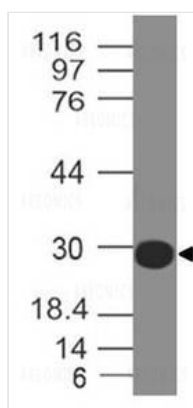
PRODUCT SYNONYMS

COVID 19 Spike RBD Coronavirus; Monoclonal Antibody; Anti-SARS CoV2 Spike RBD Antibody (Clone: ABM5H1.1E4); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike RBD; Receptor Binding Domain; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Number	ABM5H1.1E4
Purity/Purification	Protein G Chromatography
Form/Format	Purified; 25ug in 50ul/100ug in 200ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-COVID-19 antibody	WB (Western Blot), ELISA
Immunogen	A partial length recombinant SARS-CoV2 Spike RBD Antibody with sequence (319-541aa) was used as the immunogen for this antibody.
Preparation and Storage	Store the antibody at 4°C. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Figure-1: Western Blot analysis of SARS-CoV-2 Spike RBD Antibody: Anti- SARS-CoV-2 Spike RBD Antibody (Clone: ABM5H1.1E4) was used at 0.5ug/ml on SARS-CoV-2 Spike RBD Recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. It's been reported that 2019-nCoV can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity. The main functions for the Spike protein are summarized as: Mediate receptor binding and membrane fusion; Defines the range of the hosts and specificity of the virus; Main component to bind with the neutralizing antibody; Key target for vaccine design; Can be transmitted between different hosts through gene recombination or mutation of the receptor binding domain (RBD), leading to a higher mortality rate.
Product Categories/Family for anti-COVID-19 antibody	Antibodies ; Infectious Diseases

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-abm5h1-1e4-western-blot-elisa/78542>