RM17580
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Anti-SARS-CoV-2 Spike RBD Control Antibody, Chimeric MAb

Catalog No.: RM17580

Basic Information

Catagory
Matched Antibody Pair

Applications
Indirect ELISA

Product Information

Ig Type
Chimeric MAb

Purification
Affinity purification

Endotoxin Level

Storage
Store unopened kit at 2-8 °C for1 week. If more than one week, please keep the components of the kit according to the instructions.Do not use past kit expiration date.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1%Braveds MB-1,PH 7.4.

Contact

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Background

The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. The spike is essential for both host specificity and viral infectivity. 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 SARS-CoV-2 (COVID-19 coronavirus, 2019-nCoV) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. 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.

Immunogen Information

Immunogen
HK293 derived SARS-COV-2 SPIKE RBD
Arg319-Phe541
Accession #YP_009724390.1

Cross-Reactivity

2019-nCoV Coronavirus spike
 Has cross-reactivity in ELISA and WB with
 SARS-CoV-2 Spike S1 (His Tag) (Cat# RP01265)

Assay Applications