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Rabbit anti-SARS-CoV-2 Spike RBD Protein mAb

Catalog No.: RM17609

Basic Information

Catalog No.
RM17609

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
< 1.0 EU/μg of the protein by LAL method.

Storage
Store at -20℃
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

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and gives coronavirus viruses their crown-like appearance. This glycoprotein mediates attachment of the virus particle and entry into the host cell. S protein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.

Immunogen Information

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

Cross-Reactivity

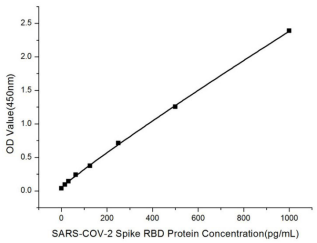
SARS-CoV-2 Coronavirus spike
Has cross-reactivity in ELISA and WB with
SARS-CoV-2 Spike S1 (His Tag) (Cat# RP01265)

Assay Applications

SARS-CoV-2 Spike RBD Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-SARS-CoV-2 Spike RBD Protein mAb(CAP (Cat. No. RM17608)
ELISA Detection	0.03-0.15ug/mL	Rabbit anti-SARS-CoV-2 Spike RBD Protein mAb(DET(Cat. No. RM17609)
Standard	15.6-1000pg/mL	Recombinant SARS-COV-2 Spike RBD Protein with His tag(Cat. No. RP01258)

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.