

RM17612

Leader in Biomolecular Solutions for Life Science



Rabbit anti-SARS-CoV-2 Spike S1 Protein mAb(DET)

Catalog No.: RM17612

Basic Information

Catagory

Matched Antibody Pair

Applications

ELISA

Product Information

Ig Type

Rabbit IgG

Purification

Affinity purification

Endotoxin Level

Storage

Store unopened kit at 2-8 °C for 1 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% BSA, pH 7.4.

Contact



www.abclonal.com

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 S1
 Val16-Arg685
 Accession #YP_009724390.1

Cross-Reactivity

Has cross-reactivity in ELISA with
 SARS-CoV Spike S1 Protein (Cat# RP01265)
 SARS-CoV Spike RBD Protein (Cat# RP01258)
 No cross-reactivity in ELISA with
 MERS-CoV Spike S1 Protein

Assay Applications

SARS-CoV-2 Spike S1 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-SARS-CoV-2 Spike S1 Protein mAb(CAP) (Cat. No. RM17611)
ELISA Detection	0.05-0.2ug/mL	Rabbit anti-SARS-CoV-2 Spike S1 Protein mAb(DET) (Cat. No. RM17612)
Standard	156-10000pg/mL	Recombinant SARS-COV-2 Spike S1 Protein with His tag(Cat. No. RP01262)

Validation Data

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

