A20606

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SARS-CoV Spike RBD Rabbit pAb

Catalog No.: A20606

Basic Information

Observed MW
200kDa

Calculated MW
139kDa

Category
Mouse Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
SARS-CoV

Background

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 SARS-CoV-2 (COVID-19 coronavirus, 2019-nCoV) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
1489668

Swiss Prot
P59594

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 350-450 of coronavirus Spike RBD (NP_828851.1).

Synonyms
E2; SARS-CoV Spike RBD

Contact

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Product Information

Source
Rabbit

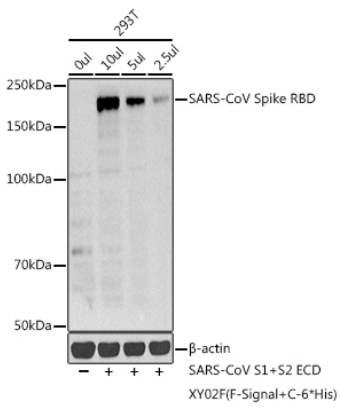
Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using SARS-CoV Spike RBD Rabbit pAb (A20606) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.