A21926

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SARS-COV-2 Spike RBD(Omicron) Protein pAb

Catalog No.: A21926

Basic Information

Observed MW
35-40kDa

Calculated MW
141kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
SARS-CoV-2

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.

Recommended Dilutions

WB	1:1000 - 1:5000

Immunogen Information

Gene ID
43740568

Swiss Prot
P0DTC2

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 319-541 of coronavirus SARS-COV-2 Spike RBD(Omicron) Protein (P0DTC2).

Synonyms
spike glycoprotein

Contact

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Product Information

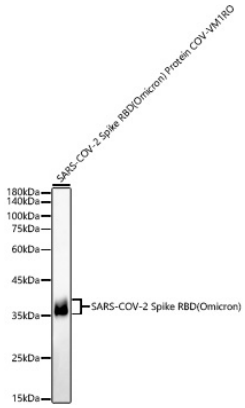
Source
Rabbit

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 lysates from SARS-COV-2 Spike RBD(Omicron) Protein COV-VM1RO, using SARS-COV-2 Spike RBD(Omicron) Protein pAb (A21926) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 200ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 24s.