A21254

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

SARS-CoV-2 Spike RBD (N501Y) Rabbit mAb

Catalog No.: A21254 Recombinant 2 Publications

Basic Information

Observed MW
36kDa (Recombinant Protein)

Calculated MW
141KD

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
SARS-CoV-2

CloneNo number
ARC52673

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	1:10000 - 1:40000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
43740568

Swiss Prot
P0DTC2

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
spike glycoprotein; SARS-CoV-2 Spike RBD (N501Y)

Contact

www.abclonal.com

Product Information

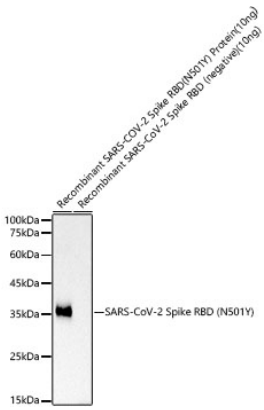
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of recombinant SARS-CoV-2 Spike RBD (N501Y) Protein(RP01258), using SARS-CoV-2 Spike RBD (N501Y) Rabbit mAb (A21254) at 1:10000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 100 ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.