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

Catalog No.: A21254 Recombinant 2 Publications



Observed MW 36kDa

Calculated MW 141KD

Category SMab Recombinant Monoclonal Antibody

Applications WB, ELISA

Cross-Reactivity SARS-CoV-2

CloneNo number ARC52673

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.

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

Gene ID 43740568 Swiss Prot P0DTC2

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 450-550 of coronavirus SARS-CoV-2 Spike RBD (N501Y) (YP_009724390.1).

Svnonvms

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

Product Information

€ www.abclonal.com Source Rabbit

Isotype IgG

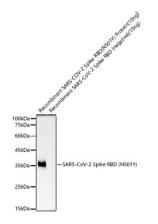
Purification Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.



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.