

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

Catalog No.: A21254 **Recombinant** **2 Publications**

## Basic Information

**Observed MW**

36kDa

**Calculated MW**

141KD

**Category**

Primary antibody

**Applications**

ELISA,WB

**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 1:1000 - 1:5000

## 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).

**Synonyms**

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

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

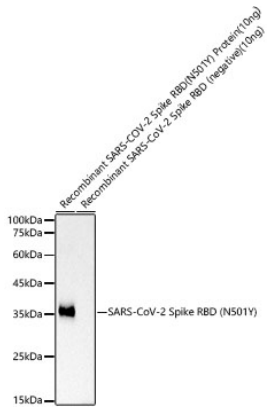
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data

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Western blot analysis of recombinant SARS-CoV-2 Spike RBD (N501Y) Protein (RP01258), using SARS-CoV-2 Spike RBD (N501Y) Rabbit mAb (A21254) at 1:2000 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.