A20834

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SARS-CoV-2 Spike S1 Rabbit mAb

Catalog No.: A20834 Recombinant 5 Publications

Basic Information

Observed MW
110kDa

Calculated MW
141kDa

Category
Monoclonal Antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
SARS-CoV-2

Clone number
ARC51489

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 - 1:6000
IF/ICC	1:50 - 1:200
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 S1

Contact

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Product Information

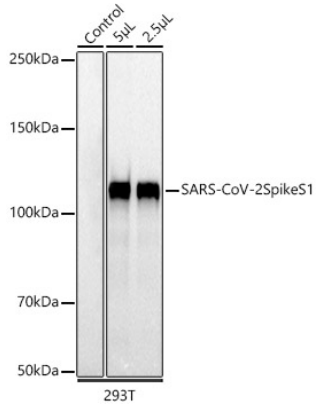
Source
Rabbit

Isotype
IgG

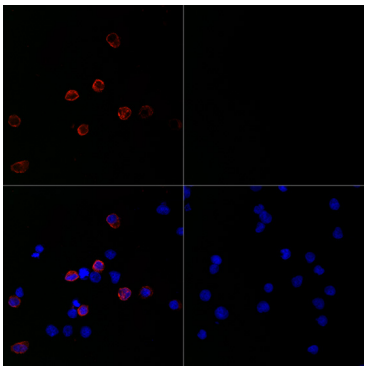
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from 293T cells and 293T cells transfected with SARS-CoV-2 Spike S1, using SARS-CoV-2 Spike S1 Rabbit mAb (A20834) at 1:1000 dilution.
Secondary antibody: HRP-conjugated 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.



Immunofluorescence analysis of 293T cells transfected with S1 and 293T cells using SARS-CoV-2 Spike S1 Rabbit mAb (A20834) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.