

A20142

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# SARS-CoV-2 N Protein Mouse mAb

Catalog No.: A20142

6 Publications

## Basic Information

### Observed MW

50kDa

### Calculated MW

46kDa

### Category

Monoclonal Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

SARS-CoV-2

### CloneNo number

AMC0368

## Background

Packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. May modulate transforming growth factor-beta signaling by binding host SMAD3.

## Recommended Dilutions

WB	1:1000 - 1:6000
IF/ICC	1:50 - 1:200
ELISA	1:30000 - 1:120000

## Immunogen Information

### Gene ID

43740575

### Swiss Prot

P59595

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

Nucleoprotein; NP; SARS-CoV-2 N Protein

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Mouse

### Isotype

IgG1,kappa

### Purification

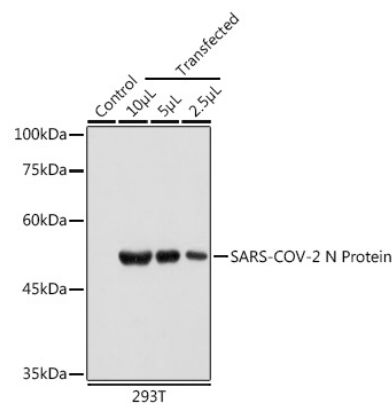
Affinity purification

### Storage

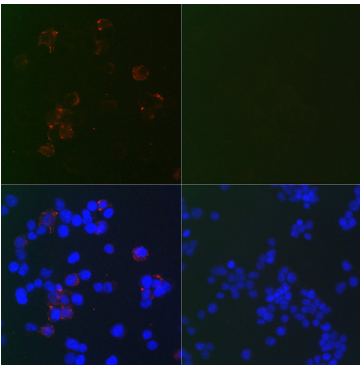
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

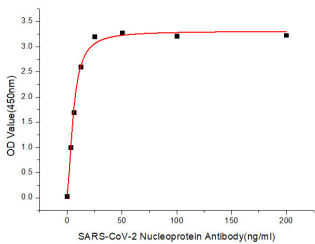
Validation Data



Western blot analysis of extracts of normal 293T cells 293T transfected with N Protein, using SARS-CoV-2 N Protein Mouse mAb (A20142) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunofluorescence analysis of 293T transfected with SARS-CoV-2 N Protein using CD16 Rabbit mAb (A23541) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immobilized Recombinant 2019-nCoV Nucleocapsid Protein (RP01264LQ) at 1µg/mL (100µL/well) can bind SARS-CoV-2 Nucleoprotein Rabbit mAb (A20142) with a linear range of 3.12-200ng/mL.