

# SARS-CoV-2 N Protein Mouse mAb

Catalog No.: A20142 **1 Publications**

## Basic Information

### Observed MW

50KDa

### Calculated MW

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### 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 - 1:5000

**ELISA** 1:30000 - 1:120000

**IF/ICC** 1:50 - 1:200

## Immunogen Information

### Gene ID

1489678

### Swiss Prot

P59595

### Immunogen

Recombinant fusion protein of SARS-CoV-2 Nucleoprotein.

### Synonyms

Nucleoprotein; NP

## Contact

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

## Product Information

### Source

Mouse

### Isotype

IgG1, kappa

### Purification

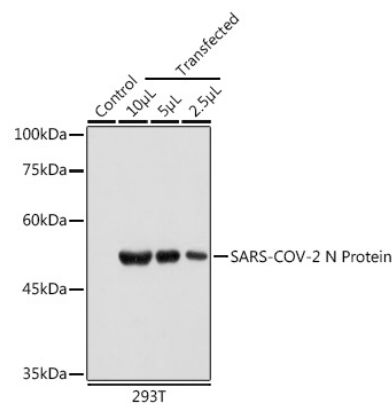
Affinity purification

### Storage

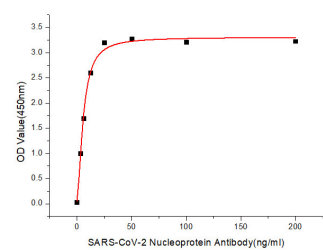
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

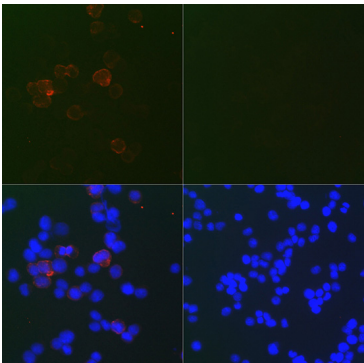
Validation Data



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



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.



Immunofluorescence analysis of 293T-N and 293T cells using SARS-CoV-2 Nucleoprotein antibody (A20142) at dilution of 1:100. Blue: DAPI for nuclear staining.