

A20142

Leader in Biomolecular Solutions for Life Science



# SARS-CoV-2 N Protein Mouse mAb

Catalog No.: A20142 **7 Publications**

## Basic Information

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### Observed MW

50kDa

### Calculated MW

46kDa

### Category

Monoclonal Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

SARS-CoV-2

### CloneNo number

AMC0368

## Background

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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

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**WB** 1:1000 - 1:6000

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

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

## Immunogen Information

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### 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

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

## Product Information

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### Source

Mouse

### Isotype

IgG1,kappa

### Purification

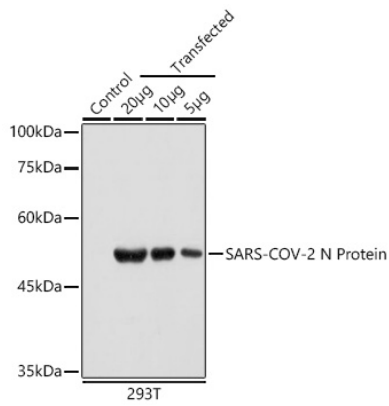
Affinity purification

### Storage

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

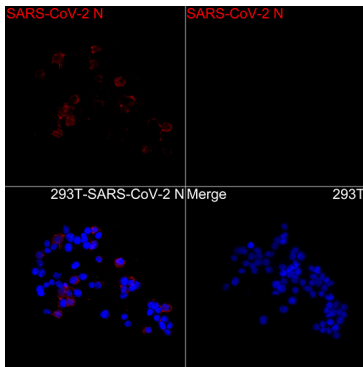
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

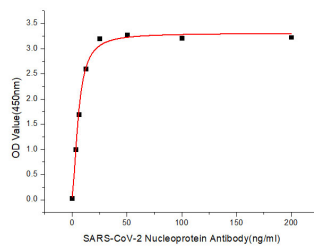


Western blot analysis of from wild type (WT) and 293T cells transfected with SARS-CoV-2 N Protein using SARS-CoV-2 N Protein Mouse mAb (A20142) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 20µg/10µg/5µg 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 SARS-CoV-2 Nucleoprotein mAb mAb (A20142) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008) 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.