

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	Swiss Prot
1489678	P59595

Immunogen

Recombinant fusion protein of SARS-CoV-2 Nucleoprotein.

Synonyms

Nucleoprotein; NP

Contact

 | www.abclonal.com

Product Information

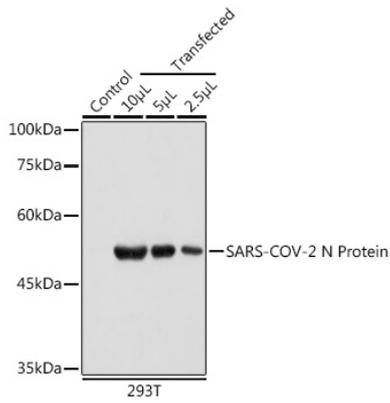
Source	Isotype	Purification
Mouse	IgG1, kappa	Affinity purification

Storage

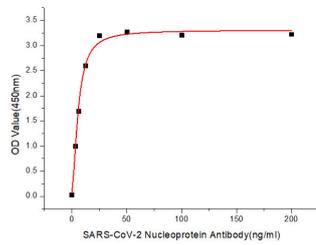
Store at -20°C. Avoid freeze / thaw cycles.

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

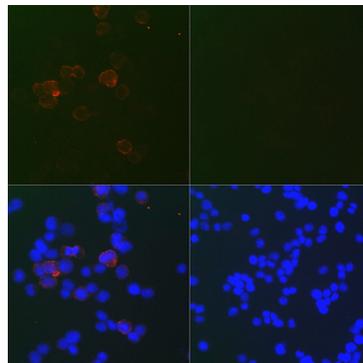
Validation Data



Western blot analysis of extracts of normal 293T cells and 293T cells 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: 25µg 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.