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Rabbit anti-SARS-CoV-2 Nucleocapsid Protein mAb

Catalog No.: RM17718

Basic Information

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RM17718

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

Contact

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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 induce inflammasome responses in cultured cells and mice. Acts by interacting with host NLRP3 to facilitate inflammasome assembly, which induces cytokine release that may play a role in COVID lung injury.

Immunogen Information

Immunogen
Recombinant 2019-nCoV Nucleocapsid Protein

Cross-Reactivity

Has cross-reactivity in ELISA with
SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (Cat# RP01281)
SARS-CoV-2 Nucleocapsid protein, His Tag (B.1.1.529/Omicron)
SARS-CoV-2 Nucleocapsid protein (D63G, R203M, G215C, D377Y), His Tag
SARS-CoV-2 Nucleocapsid protein (T205I), His Tag
SARS-CoV-2 Nucleocapsid protein (D3L, R203K, G204R, S235F), His Tag
No cross-reactivity in ELISA with
MERS-CoV Nucleoprotein protein
HCoV-229E Nucleoprotein protein.

Assay Applications