

SARS-CoV-2 (2019-nCoV) Nucleocapsid Mouse mAb

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Catalog # AP94022

Product Information

Application	WB
Host	Mouse
Clonality	Monoclonal
Physical State	Liquid
Immunogen	Recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid protein
Epitope Specificity	full length
Isotype	IgG1
Purity	affinity purified by Protein A
Buffer	0.01M PBS (pH7.4) with 0.02% Proclin300.
SUBCELLULAR LOCATION	Virion membrane ; Single-pass type I membrane protein ; Host endoplasmic reticulum-Golgi intermediate compartment membrane ; Single-pass type I membrane protein ; Host cell membrane ; Single-pass type I membrane protein ;Note: Accumulates in the endoplasmic reticulum-Golgi intermediate compartment, where it participates in virus particle assembly. Colocalizes with S in the host endoplasmic reticulum-Golgi intermediate compartment. Some S oligomers are transported to the host plasma membrane, where they may mediate cell-cell fusion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.

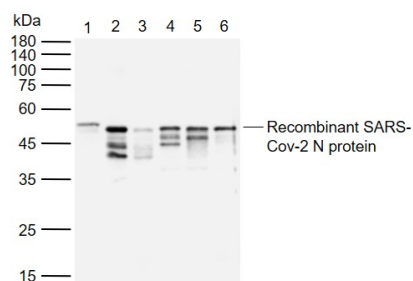
Additional Information

Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Images



Sample:

Lane 1: Recombinant SARS-CoV-2 N protein (WT) (His Tag) (AP94022)

Lane 2: Recombinant SARS-CoV-2 N protein (Q9H, P67S, P80R, P151L, S183Y) (His Tag) (AP94022)

Lane 3: Recombinant SARS-CoV-2 N protein (D3L, P13T, D103Y, D128Y, H145Y, R203K, G204R, T205I, S235F) (His Tag) (AP94022)

Lane 4: Recombinant SARS-CoV-2 N protein (Del204, Del215) (His Tag) (AP94022)

Lane 5: Recombinant SARS-Cov-2 N protein (R203M, D377Y) (His Tag) (AP94022)

Lane 6: Recombinant SARS-Cov-2 (Omicron, B.1.1.529) N protein (P13L, E31del, R32del, S33del, R203K, G204R) (N-His Tag) (AP94022)

Primary: Anti-SARS-CoV-2(2019-nCoV)Nucleocapsid (AP94022) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 46 kDa

Observed band size: 50 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.