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

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Catalog # AP94736

Product Information

Application	WB
Host	Mouse
Clonality	Monoclonal
Physical State	Liquid
Immunogen	Recombinant SARS-CoV-2 Nucleocapsid Protei
Epitope Specificity	full length
Isotype	IgG1
Purity	affinity purified by Protein A
Buffer	1*PBS, 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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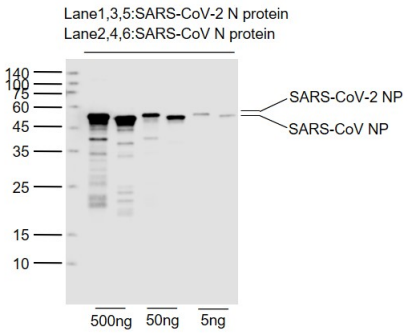
Images



Sample: Lane 1, 3, 5: SARS-CoV-2 N protein (Cat# AP94736) at 500, 50, 5 ng Lane 2, 4, 6: SARS-CoV N protein (Cat# AP94736) at 500, 50, 5 ng Primary: Anti-SARS-CoV-2 NP (AP94736) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD