

Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody (9S574)

Product Details

Ig Type:	IgG1
Reactivity:	SARS-CoV-2
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Clone:	9S574
Purification:	Protein A purified

Applications

1. Sample:

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

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

Lane 3: Recombinant SARS-CoV-2 N protein (D3L, P13T, D103Y, D128Y, H145Y, R203 k, G204R, T205I, S235F) (His Tag)

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

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

Lane 6: Recombinant SARS-Cov-2 (Omicron, B.1.1.529) N protein (P13L, E31del, R32del, S33del, R203 k, G204R) (N-His Tag)

Verified Activity: Primary: Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid (TMAB-12523) at 1/1000 dilution

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

Predicted band size: 46 kDa

Observed band size: 52 kDa

2. Sample:

Lane 1, 3, 5: SARS-CoV-2 N protein (Cat# 50, 5 ng)

Lane 2, 4, 6: SARS-CoV N protein (Cat# 50, 5 ng)

Primary: anti-SARS-CoV-2 NP (TMAB-12523) at 1/1000 dilution

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

Predicted band size: 46 kD

Observed band size: 46 kD

Application: WB

Recommended WB: 1:500-2000

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: SARS-CoV-2 Nucleocapsid Protein

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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