

Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody (5C944)

Product Details

Ig Type:	IgG1
Reactivity:	SARS-CoV-2
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Clone:	5C944
Purification:	Protein G 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, R203K, 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, R203K, G204R) (N-His Tag)

Primary: Anti-SARS-CoV-2 (2019-nCoV) nucleocapsid (TMAB-01657) 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: SARS-CoV-2 N protein at 50ng

Lane 2: SARS-CoV-2 N protein at 25ng

Lane 3: SARS-CoV-2 N protein at 5ng

Lane 4: SARS-CoV-2 N protein at 2ng

Lane 5: SARS-CoV-2 N protein at 1ng

Lane 6: SARS-CoV-2 N protein at 0.5ng

Primary: Anti-SARS-CoV-2 N protein at 1/1000 dilution

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

Predicted band size: 46 kDa

Observed band size: 46 kDa

3. Sample:

Lane 1: Recombinant SARS-CoV-2 N Protein (Omicron (B.1.1.529) (P13L,E31del,R32del, S33del, R203K,G204R) at 100ng

Lane 2: Recombinant SARS-CoV-2 N Protein (Omicron (B.1.1.529) (P13L,E31del,R32del, S33del, R203K,G204R) at 50ng

Lane 3: Recombinant SARS-CoV-2 N Protein (Omicron (B.1.1.529) (P13L,E31del,R32del, S33del, R203K,G204R) at 25ng

Lane 4: Recombinant SARS-CoV-2 N Protein (Omicron (B.1.1.529) (P13L,E31del,R32del, S33del, R203K,G204R) at 10ng

Lane 5: Recombinant SARS-CoV-2 N Protein (Omicron (B.1.1.529) (P13L,E31del,R32del, S33del, R203K,G204R) at 5ng

Lane 6: Recombinant SARS-CoV-2 N Protein (WT) at 10ng

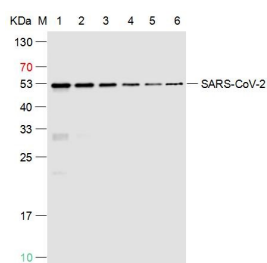
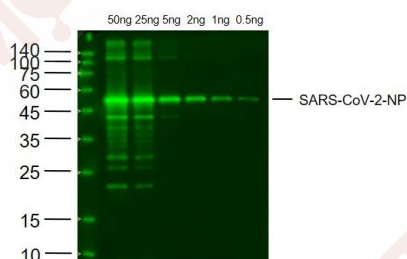
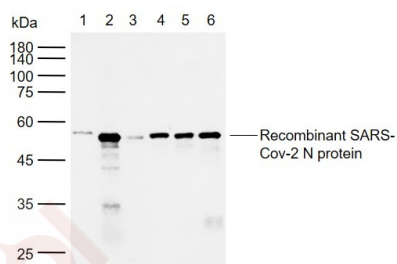
Verified Activity:

Primary: Mouse Anti-SARS-CoV-2 N protein (TMAB-01657) at 1/1000 dilution

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

Predicted band size:45.3 kDa

Observed band size:50 kD



Application: WB

Recommended WB: 1:500-2000

Properties

Stability & Storage: 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

Synonyms: 2019-nCoV N;novel coronavirus Nucleocapsid Protein;2019nCoV N;SARS-CoV-2 NP; nucleocapsid protein [Severe acute respiratory syndrome coronavirus 2];SARS-CoV-2 Nucleocapsid Protein;2019-nCoV Nucleoprotein;2019 nCoV N Protein;novel coronavirus N Protein;2019-nCoV N Protein;2019-nCoV nucleocapsid protein

Biology Area: SARS Coronavirus

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.

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