Data Sheet (Cat.No.TMAB-12527)

Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid Antibody (7F903)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	SARS-CoV-2
Molecular Weight:	Actual: 50 kDa.
Clone:	7F903
Purification:	Protein A purified

Applications

Verified Activity:	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) Primary: Anti-SARS-CoV-2 (2019-nCoV) nucleocapsiD (TMAB-12527) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 46 kDa Observed band size: 50 kDa
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.

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