

Anti-N Antibody (5A367)

Product Details

Ig Type:	Mouse scFv fusion with human IgG1 Fc
Reactivity:	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Conjugation:	Unconjugated
Clone:	5A367
Purification:	Affinity-chromatography

Applications

1. Western Blot

-Positive WB detected in: His tag-tagged SARS-CoV-2 nucleocapsid recombinant protein from E. Coli

SARS-CoV-2 nucleocapsid antibody at 1:1000 (TMAH-00800)

-Secondary: Peroxidase-Affinipure Goat Anti-Human IgG Fc Fragment Specific at 1/20000 dilution

-Predicted band size: 48 kDa

-Observed band size: 55 kDa

2. The Binding Activity of SARS-CoV-2-N Antibody with SARS-CoV-2-N

Activity: Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-N at 2 µg/ml can bind SARS-CoV-2-N Antibody, the EC50 is 1.586 ng/ml.

3. In the Colloidal Gold Immunochromatography Assay detection system, the background of antibody (TMAH-00800) is clean, the detection limit can be as low as 125ng/ml (8.75ng/0.

Verified Activity: 07ml), and the sensitivity is very good.

4. ELISA: Immobilize various types of SARS proteins at concentration of 2µg/ml on solid substrate, then react with SARS-CoV-2-N Antibody at concentration of 100µg/ml, 10µg/ml and 1µg/ml. It shows the SARS-CoV-2-N Antibody (TMAH-00800) is specific for SARS-CoV-2-N protein, without any cross-reactivity with NL63-CoV, HCoV-OC43, HCoV-229E or HCoV-HKU1.

5. The Binding Activity of N protein with N Recombinant Antibody. Activity: Measured by its binding ability in a functional ELISA. Immobilized N at 2 µg/ml can bind N Recombinant Antibody, the EC50 of N Recombinant Antibody.

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7. The Binding Activity of N protein with N Recombinant Antibody. Activity: Measured by its binding ability in a functional ELISA. Immobilized N at 2 µg/ml can bind N Recombinant Antibody, the EC50 of N Recombinant Antibody.

Application: ELISA, WB, GICA

A DRUG SCREENING EXPERT

Recommended ELISA:1:10000-1:50000; WB:1:500-1:5000; GICA:1:1000-1:10000.

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: Human Novel Coronavirus NucleoProtein (N) (1-419aa)

Antigen Species: Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)

Uniprot ID: P0DTC9

Synonyms: NC;NP;Nucleocapsid

Biology Area: Microbiology

Research Background

Packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. May modulate transforming growth factor-beta signaling by binding host smad3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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