

PRODUCT INFORMATION

Clone ID **DM42**

Target S protein

Synonyms SARS-CoV-2 Spike S2

Host Species Rabbit

Anti-SARS-CoV-2 Spike antibody(DM42); Rabbit Description mAb

Delivery In Stock **Uniprot ID** P0DTC2 Rabbit IgG IgG type Clonality Monoclonal

Applications ELISA

Recommended

Storage & Shipping

DIMA Disclaimer

Reactivity

ELISA 1:5000-10000 **Dilutions**

Purified from cell culture supernatant by affinity **Purification**

chromatography

SARS-CoV-2

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses

Background

ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits; S1 and S2. S1 mainly contains a receptor binding domain (RBD); which accounts for recognizing the cell surface receptor; ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain

can induce virus neutralizing-antibody and T cell

response.

Usage Research use only Conjugate Unconjugated

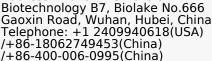
All DIMA recombinant antibodies are genuinely

generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are

Email: info@dimabio.com Website: www.dimabio.com

actively scrutinizing all patent application to

ensure no IP infringement.



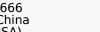
Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China)





Anti-SARS-CoV-2 Spike S2 Antibody Elisa 0.2 µg of SARS-CoV-2 Spike S2 protein per well EC50=2.667 ng/ml o_0.01 0.1 1 10 100 1000 Concentration of Anti-SARS-CoV-2 Spike S2 Antibody (ng/ml)

Figure 1. Elisa plate pre-coated by 2 μg/ml(100μl/well) SARS-CoV-2 Spike S2 protein can bind Rabbit Anti-SARS-CoV-2 Spike S2 monoclonal antibody (clone:DM42) in a linear range of 0.32-40 ng/ml.



Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

Email: info@dimabio.com Website: www.dimabio.com

