

PRODUCT INFORMATION

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| Clone ID | DM40 |
| Target | S protein |
| Synonyms | SARS-CoV-2 Spike S2 |
| Host Species | Rabbit |
| Description | Anti-SARS-CoV-2 Spike antibody(DM40); Rabbit mAb |
| Delivery | In Stock |
| Uniprot ID | P0DTC2 |
| IgG type | Rabbit IgG |
| Clonality | Monoclonal |
| Reactivity | SARS-CoV-2 |
| Applications | ELISA |
| Recommended Dilutions | ELISA 1:5000-10000 |
| Purification | Purified from cell culture supernatant by affinity chromatography |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage & Shipping | 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. |
| Background | SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses 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 |



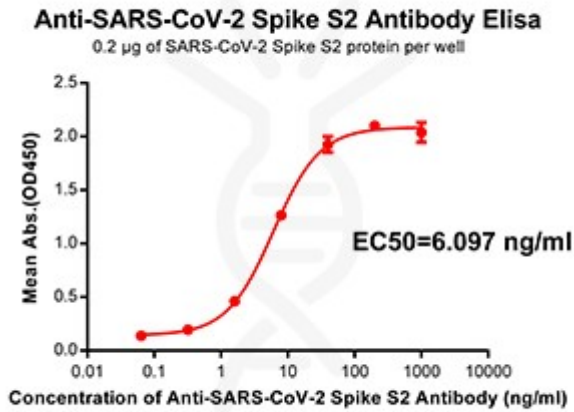


Figure 1. Elisa plate pre-coated by 2 µg/ml(100µl/well) SARS-CoV-2 Spike S2 protein can bind Rabbit Anti-SARS-CoV-2 Spike S2 monoclonal antibody (**clone:DM40**) in a linear range of 0.32-40 ng/ml.

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