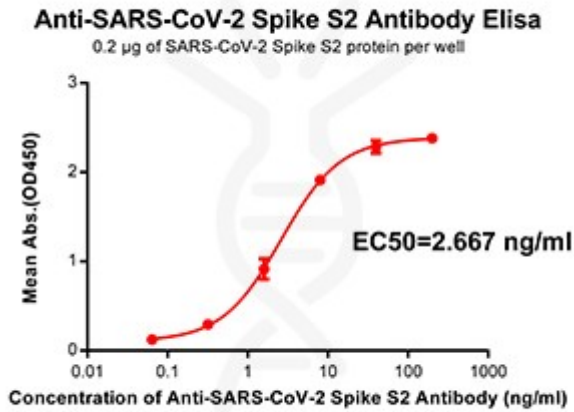


**PRODUCT INFORMATION**

|   |  |
|---|--|
| <b>Clone ID</b>                         | DM42   |
| <b>Target</b>                           | S protein  |
| <b>Synonyms</b>                         | SARS-CoV-2 Spike S2  |
| <b>Host Species</b>                     | Rabbit   |
| <b>Description</b>                      | Anti-SARS-CoV-2 Spike antibody(DM42); Rabbit mAb   |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | P0DTC2   |
| <b>IgG type</b>                         | Rabbit IgG   |
| <b>Clonality</b>                        | Monoclonal   |
| <b>Reactivity</b>                       | SARS-CoV-2   |
| <b>Applications</b>                     | ELISA  |
| <b>Recommended Dilutions</b>            | ELISA 1:5000-10000   |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography  |
| <b>Formulation &amp; Reconstitution</b> | 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.   |
| <b>Storage &amp; Shipping</b>           | 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.  |
| <b>Background</b>                       | 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. |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | 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:DM42**) in a linear range of 0.32-40 ng/ml.

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