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# 12-9015: Anti-SARS-CoV-2 Spike S2 antibody(DM25), Rabbit mAb

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | DM25 |
| **Application :** | ELISA |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant SARS-CoV-2 Spike S2 protein (686-1213) produced by using E. coli |

## Description

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.

## Product Info

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| **Amount :** | 100 µg |
| **Purification :** | Purified from cell culture supernatant by affinity chromatography |
| **Content :** | Preservative: 0.1% Procline 300<br>Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA<br>Not Sterile |
| **Storage condition :** | Store at -20°C for 12 months (Avoid repeated freezing and thawing) |

## Application Note

ELISA 1/5000-1/10000

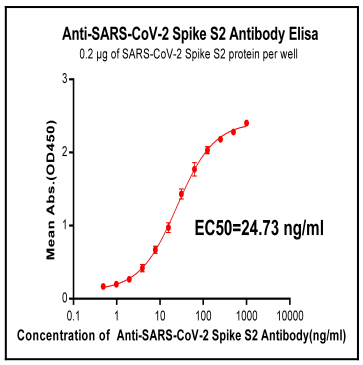



Figure 1. Elisa plate pre-coated by 2 µg/ml(100µl/well) SARS-CoV-2 Spike S2 protein can bind Rabbit Anti-SARS-CoV-2 Spike S2 monoclonal antibody (clone:DM25) in a linear range of 1.9-250 ng/ml.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***