PRODUCT INFORMATION

Clone ID	DM39
Target	S protein
Synonyms	SARS-CoV-2 Spike S2
Host Species	Rabbit
Description	Anti-SARS-CoV-2 Spike antibody(DM39); 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
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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
DIMA Disclaimer	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 actively scr

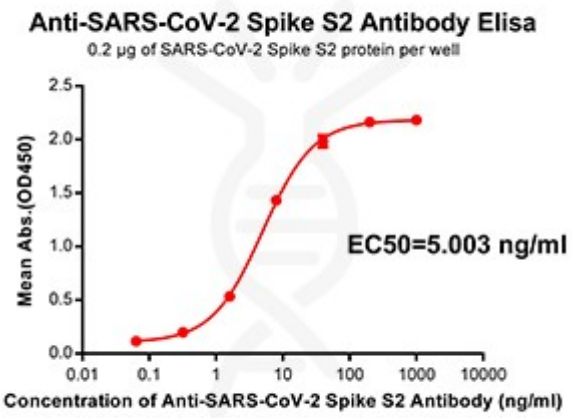

Figure 1. Elisa plate pre-coated by 2 μg/ml(100μl/well) SARS-CoV-2 Spike S2 protein can bind Rabbit Anti-SARS-CoV-2 Spike S2 monoclonal antibody (**clone:DM39**) in a linear range of 0.32-40 ng/ml.