

## Product datasheet for **TA355191**

### S Protein Rabbit Monoclonal Antibody [Clone ID: DM40]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	DM40
Applications:	ELISA
Recommended Dilution:	ELISA 1/5000-10000
Reactivity:	SARS-CoV-2
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant SARS-CoV-2 Spike S2 protein (686-1213) produced by using E. coli
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization. Preservative: 0.1% Procline 300
Reconstitution Method:	Reconstitute with deionized water
Purification:	Purified from cell culture supernatant by affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C for 12 months (Avoid repeated freezing and thawing)
Stability:	12 months from date of despatch
Predicted Protein Size:	141kDa
Gene Name:	S Protein
Database Link:	<a href="#">Entrez Gene 43740568 SARS-CoV-2</a>
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.



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## Product images:

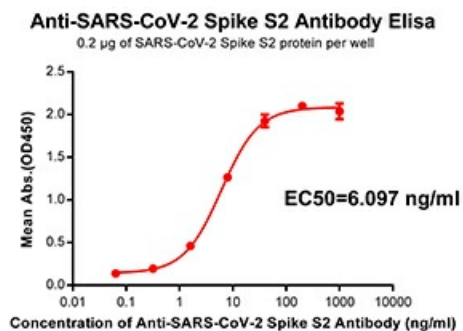


Figure 1. Elisa plate pre-coated by 2 µg/ml(100µl/well) SARS-CoV-2 Spike S2 protein can bind Rabbit Anti-SARS-CoV-2 Spike S2 monoclonal antibody (clone:DM40) in a linear range of 0.32-40 ng/ml.