

Product datasheet for **TA355189**

SARS-CoV-2 N Protein Rabbit Monoclonal Antibody [Clone ID: DM38]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DM38
Applications:	ELISA
Recommended Dilution:	ELISA 1/5000-10000
Reactivity:	SARS-CoV-2
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant SARS-CoV-2 Nucleocapsid (Met1-Ala419) (TP723996) 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:	45kDa
Database Link:	Entrez Gene 43740575 SARS-CoV-2
Background:	Coronavirus contain most of nucleocapsid protein. Coronavirus nucleoproteins (N proteins) localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The nucleolus is the site of ribosome biogenesis and sequesters cell cycle regulatory complexes. Two of the major components of the nucleolus are fibrillarin and nucleolin. These proteins are involved in nucleolar assembly and ribosome biogenesis and act as chaperones for the import of proteins into the nucleolus. Regarding of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is a tool for diagnostic.



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Product images:

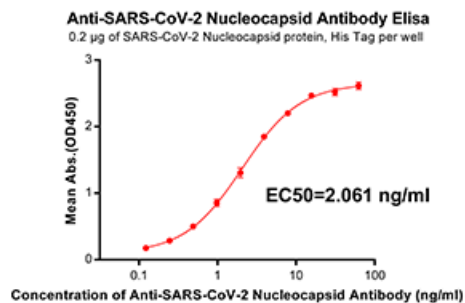


Figure 1. Elisa plate pre-coated by 2 µg/ml(100µl/well) SARS-CoV-2 Nucleocapsid protein, His Tag(Cat.No.[TP723996]) can bind Rabbit Anti-SARS-CoV-2 Nucleocapsid monoclonal antibody(clone:DM38) in a linear range of 0.12-15.63 ng/ml.