

For Research Use Only

SARS-CoV-2 Membrane Glycoprotein Polyclonal antibody



Catalog Number: **28882-1-AP**

Basic Information

Catalog Number: 28882-1-AP	GenBank Accession Number: NC_045512	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 580 µg/ml by Nanodrop;	GeneID (NCBI): 43740571	
Source: Rabbit	Full Name: COVID-19 M Protein	
Isotype: IgG		
Immunogen Catalog Number: AG30691		

Applications

Tested Applications:
ELISA

Species Specificity:
virus

Background Information

In the coronaviruses, the membrane (M) protein was reported to be the most abundant viral protein expressed during infection and a key protein in the assembly of both naked and enveloped virus particles (PMID: 11967315). The M glycoprotein is conserved across the β -coronaviruses. The multiple sequence alignment shows a remarkable similarity (98% identity) among the Sars-CoV-2 M variants and the sequences from Bat and Pangolin isolates (PMID:32596311). The M protein is predicted to contain a triple-spanning transmembrane (TM) region, a single N-glycosylation site near its N-terminus that is in the exterior of the virion, and a long C-terminal region in the interior (PMID: 15626342).

Storage

Storage:
Store at -20°C.

Storage Buffer:
PBS with 0.02% sodium azide, 50% glycerol pH 7.3 and 0.05%BSA

Aliquoting is unnecessary for -20°C storage

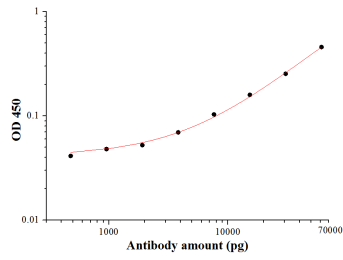
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Selected Validation Data



SARS-CoV-2 Membrane Glycoprotein Antibody (28882-1-AP) tested by ELISA. SARS-CoV-2 Membrane Glycoprotein was coated onto microtiter plates at 0.15 $\mu\text{g}/\text{well}$ and then incubated with a dilution series of SARS-CoV-2 Membrane Glycoprotein Antibody (28882-1-AP). Bound antibodies were detected with HRP conjugated anti-Rabbit IgG followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.