

For Research Use Only

SARS-CoV-2 Membrane Glycoprotein Polyclonal antibody



Catalog Number: 28882-1-AP

Basic Information

Catalog Number:

28882-1-AP

Size:

580 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30691

GenBank Accession Number:

NC_045512

GeneID (NCBI):

43740571

UNIPROT ID:

PODTC5

Full Name:

COVID-19 M Protein

Purification Method:

Antigen affinity purification

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

For technical support and original validation data for this product please contact:

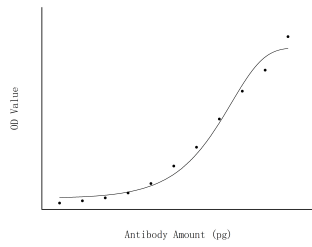
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Selected Validation Data



COVID-19 M Protein Antibody (28882-1-AP) tested by ELISA. COVID-19 M Protein(101-222aa) were coated onto microtiter plates at 0.15 µg/well and then incubated with a dilution series of COVID-19 M Protein Antibody (28882-1-AP). Bound antibodies were detected with HRP conjugated Goat anti-Rabbit IgG followed by incubation with HRP Substrate and terminated with H₂SO₄, then measuring the resulting absorbance at 450 nm.