For Research Use Only

SARS-CoV-2 Membrane Glycoprotein Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:28882-1-AP

Basic Information

Catalog Number:
28882-1-AP

Size:
150ul , Concentration: 580 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG30691

GenBank Accession Number:
NC_045512

GeneID (NCBI):
43740571

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

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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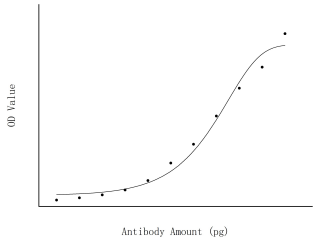
Selected Validation Data



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 teminated with H2SO4, then measuring the resulting absorbance at 450 nm.