For Research Use Only

Virus SARS-CoV-2 Nucleocapsid Phosphoprotein Monoclonal antibody, PBS Only (Capture)

Catalog Number:67666-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67666-1-PBS

Size:
1mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG30676

GenBank Accession Number:
NC_045512

GeneID (NCBI):
43740575

Full Name:
COVID-19 N Protein

Purification Method:
Protein A purification

CloneNo.:
1B3C3

Applications

Tested Applications:
WB, ELISA, Sandwich ELISA, Indirect ELISA

Species Specificity:
virus

Background Information

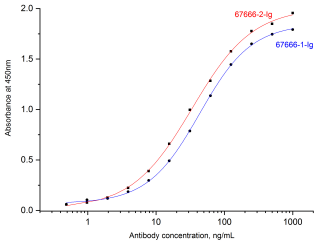
The nucleocapsid (N) protein has multiple functions including formation of nucleocapsids, signal transduction virus budding, RNA replication, and mRNA transcription. N protein is an important antigen for coronavirus, and it is normally highly conserved, with a molecular weight of about 50 kDa. it can be used as a marker in diagnostic assays due to its high immunogenicity (PMID: 32416961, PMID: 32235387).67666-1-Ig can be used as capture antibody. 67666-2-Ig can be used as detection antibody.

Storage

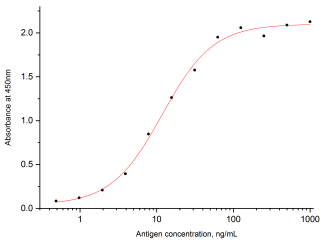
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

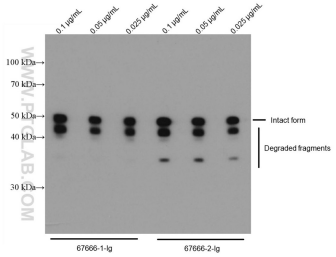
Selected Validation Data



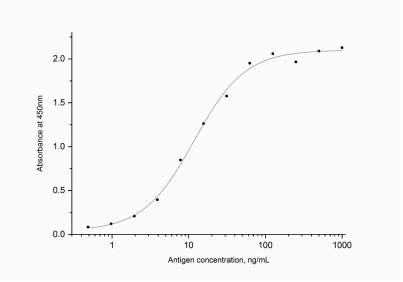
Indirect ELISA was carried out by coating eukaryotic expressed N protein at 70 ng/well followed by blocking and adding serial diluted primary antibody 67666-1-Ig and 67666-2-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm. This data was developed using the same antibody clone with 67666-1-PBS in a different storage buffer formulation.



Sandwich ELISA was carried out by coating 67666-1-Ig at 80 ng/well followed by blocking and adding different concentration of eukaryotic expressed N protein (0.5-1000 ng/mL). HRP-conjugated clone 67666-2-Ig was used at 1 μg/mL for detection. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm. This data was developed using the same antibody clone with 67666-1-PBS in a different storage buffer formulation.



E.coli expressed SARS-CoV-2 Nucleocapsid Phosphoprotein (Cat.NO. Ag30676) was subjected to SDS-PAGE followed by western blot with 67666-1-Ig and 67666-2-Ig at various work concentration. This data was developed using the same antibody clone with 67666-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP50061-1, Virus 2019-nCOV nucleocapsid phosphoprotein Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67666-1-PBS. Detection antibody: HRP-conjugated 67666-2-PBS. Standard: Ag30676. Range: 0.5-20 ng/mL.