

À des fins de recherche uniquement

# Anticorps Monoclonal anti-SARS-CoV-2 S protein (319-541 aa)



Numéro de catalogue: 67758-1-Ig **6 Publications**

## Informations de base

Numéro de catalogue: 67758-1-Ig	Numéro d'acquisition GenBank: NC_045512	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop and 490 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 43740568	CloneNo.: 1H3E9
Hôte: Mouse	Nom complet: SARS-CoV-2 Spike Protein	Dilutions recommandées: WB 1:5000-1:50000
Isotype: IgG1	MW calculé 141 kDa	
Immunogen Catalog Number: AG30688		

## Applications

Applications testées: Neutralization, WB, ELISA	Contrôles positifs: WB : Ag30688,
Demandes citées: WB	
Spécificité de l'espèce: Virus	
Espèces citées: Humain	

## Informations générales

Coronaviruses (CoVs) infect human and animals and cause varieties of diseases, including respiratory, enteric, renal, and neurological diseases. CoV uses its spike protein to recognize ACE2 as its receptors and mediate membrane fusion and virus entry into host cells (PMID: 32221306). Each monomer of trimeric S protein is about 180 kDa, and contains two subunits, S1 and S2, S1 recognizes and binds to host receptors, and subsequent conformational changes in S2 facilitate fusion between the viral envelope and the host cell membrane (PMID: 19198616). Although the amino acid sequences of the S-glycoprotein were found to be different between the various HCoV, the structures showed high similarity, but the best 3D structural overlap shared by SARS-CoV and SARS-CoV-2, consistent with the shared ACE2 predicted receptor (PMID: 32522207). The spike protein of CoVs can be a target for vaccine and therapeutic development (PMID: 19198616).

Lyophilized format of this product is available.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Shugang Qin	36647424	Acta Pharm Sin B	WB
Na Fan	36563159	Sci Adv	WB
Lixin Yang	37363954	Adv Healthc Mater	WB

## Stockage

Stockage:  
Stocker à -20 °C.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

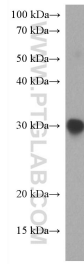
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

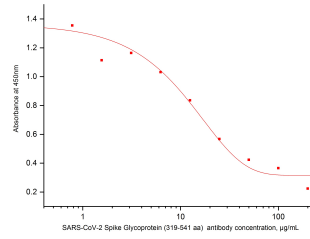
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Données de validation sélectionnées



Recombinant spike protein (RBD domain) were subjected to SDS PAGE followed by western blot with 67758-1-Ig (SARS-CoV-2 Spike Glycoprotein (319-541 aa) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Surrogate virus neutralization test of SARS-CoV-2 Spike Glycoprotein (319-541 aa) monoclonal antibody 67758-1-Ig using commercial kit. Briefly, RBD protein has been pre-coated on microplate, HRP labeled ACE2 protein and serial dose of 67758-1-Ig are added to the plate simultaneously and incubated for 1 hour at 37°C. The plate was then washed and signal was developed by adding chromogenic substrate followed by stop buffer. Signal strength was monitored at

