

Nur für Forschungszwecke

SARS-CoV-2 S protein (319-541 aa) Monoklonaler Antikörper



Katalog-Nr.: 67758-1-Ig **3 Publikationen**

Allgemeine Informationen

Katalog-Nr.: 67758-1-Ig	GenBank-Zugangsnummer: NC_045512	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 1000 µg/ml von Nanodrop und 490 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 43740568	CloneNo.: 1H3E9
Wirt: Maus	Vollständiger Name: SARS-CoV-2 Spike Protein	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG1	Berechnete Masse: 141 kDa	
Immunogen Katalognummer: AG30688		

Anwendungen

Geprüfte Anwendungen: Neutralization, WB, ELISA	Positivkontrollen: WB: Ag30688,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Virus	
Zitierte Arten: Human	

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shugang Qin	36647424	Acta Pharm Sin B	WB
Na Fan	36563159	Sci Adv	WB
Sadahiro Iwabuchi	36911681	Front Immunol	

Lagerung

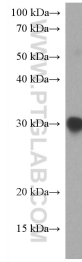
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

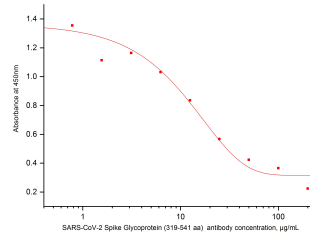
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Ausgewählte Validierungsdaten



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

