

Nur für Forschungszwecke

# SARS-CoV-2 S protein (944-1214 aa) Polyklonaler Antikörper



Katalog-Nr.: 28867-1-AP

5 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28867-1-AP	<b>GenBank-Zugangsnummer:</b> NC_045512	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 550 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 43740568	
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> SARS-CoV-2 Spike Protein	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 141 kDa	
<b>Immunogen Katalognummer:</b> AG30685		

## Anwendungen

**Geprüfte Anwendungen:**  
ELISA

**In Publikationen genannte Anwendungen:**  
IF, IHC, WB

**Getestete Reaktivität:**  
Virus

**Zitierte Arten:**  
Human, Maus

## 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). This antibody detects the spike protein of SARS and SARS-COV-2.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Naoko Iwata-Yoshikawa	36243815	Nat Commun	IHC, WB
Matteo Stravalaci	35102342	Nat Immunol	IF
Takashi Okura	36014999	Pathogens	IF

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

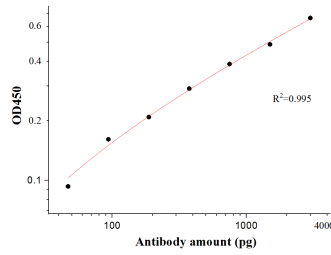
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 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



SARS-CoV-2 Spike Antibody (28867-1-AP) tested by ELISA. SARS-CoV-2 Spike protein was coated onto microtiter plates at 0.15 µg/well and then incubated with a dilution series of SARS-CoV-2 Spike Antibody (28867-1-AP). Bound antibodies were detected with HRP conjugated anti-Rabbit IgG followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.