

Nur für Forschungszwecke

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



Katalog-Nr.: 28991-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28991-1-AP	<b>GenBank-Zugangsnummer:</b> NC_045512	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 300 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> AG30689		

## Anwendungen

**Geprüfte Anwendungen:**  
ELISA

**Getestete Reaktivität:**  
Virus

## 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). 28991-1-AP is specific for spike protein of SARS-COV-2, that antigen region is 319-541aa.

## 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:  
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