

Nur für Forschungszwecke

SARS-CoV-2 S protein (126-264 aa) Polyklonaler Antikörper



Katalog-Nr.: 28869-1-AP

Allgemeine Informationen

Katalog-Nr.: 28869-1-AP	GenBank-Zugangsnummer: NC_045512	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 43740568	
Wirt: Kaninchen	Vollständiger Name: SARS-CoV-2 Spike Protein	
Isotyp: IgG	Berechnete Masse: 141 kDa	
Immunogen Katalognummer: AG30679		

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). 28869-1-AP is specific for spike protein of SARS-COV-2, that antigen region is 126-264aa.

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.

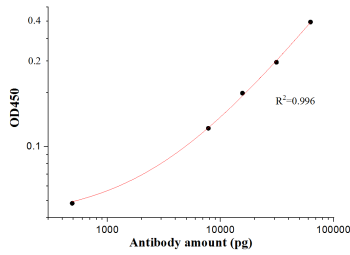
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

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



SARS-CoV-2 Spike Antibody (28869-1-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 (28869-1-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.