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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

Spike S1, Fc Fusion, Avi-tag, Biotin-labeled (SARS-CoV-2)

SARS-CoV-2, Recombinant, C-terminal
Fc-Avi-tag, Biotin-labeled
Catalog #: 100720
Lot #: 200423 **Conc:** 1.02 mg/ml

Formulated in: 8 mM Phosphate, pH 7.4,
110 mM NaCl, 2.2 mM KCl, and 20%
glycerol.

Stability: At least 6 months at -80°C. *Avoid
freeze/thaw cycles.*

References:

1. Hoffman, M. *et al.*, *Cell*. 2020 Apr;
181:1-10.
2. Walls, A. C. *et al.*, *Cell*. 2002 Mar;
180:1-12

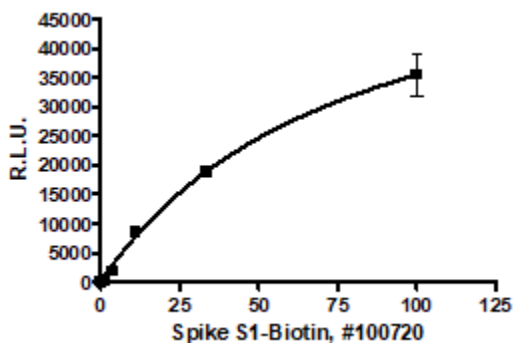
Description: Severe acute respiratory
Coronavirus 2 Spike Glycoprotein S1 (SARS-CoV-
2 Spike S1), GenBank Accession No.
QHD43416.1, a.a. 16-685, fused at the C-terminus
of the Fc portion of human IgG1, with a C-terminal
Avi-tag™, expressed in a HEK293 expression
system enzymatically biotinylated using Avi-tag™
technology. Biotinylation is confirmed to be ≥90%.
MW=104 kDa. This protein runs at a higher
molecular weight due to glycosylation.

Assay Conditions: SARS-CoV-2 S1(BPS
Bioscience #100720) and ACE2 binding assay
was done using BPS ACE2:SARS-CoV-2 Spike
Inhibitor Screening Assay Kit (BPS Bioscience
#79936). SARS-CoV-2 S1 (BPS Bioscience
#100720) protein and Streptavidin-HRP were
used instead of SARS-CoV-2 Spike protein (RBD)
and anti-mouse Fc-HRP respectively.

Applications: Useful for the study of enzyme
kinetics, screening inhibitors, and selectivity
profiling.

Quality Assurance

ACE2:SARS-CoV-2 Inhibition

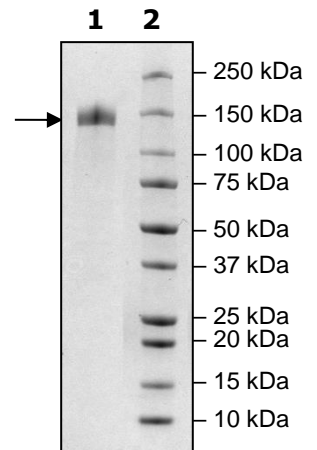


4-20% SDS-PAGE Coomassie staining

Lane 1:
4µg SARS-CoV-2 S1
Lane 2:
Protein Marker

MW: 104kDa

Purity: ≥90%



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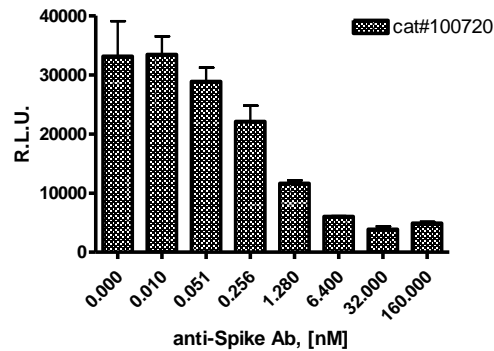
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SARS-CoV-2 S1(BPS Bioscience #100720, 20 nM) was incubated with various concentrations of the anti-Spike Ab for 1 hour at room temperature. After then, S1/Ab mixture was added to the plate coated with ACE2 as described in the assay kit (BPS Bioscience #79936). Streptavidin-HRP were used to measure SARS-CoV-2-S1/ACE2 binding.

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