

Rev03  
 Update: Dec,14,2021

**DATASHEET**

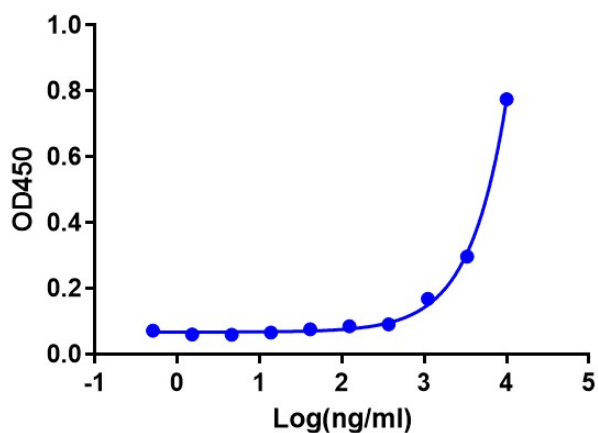
# SARS-CoV-2 Spike protein (S1, N439K, His Tag)

Cat. No.: Z03525

## Product Introduction

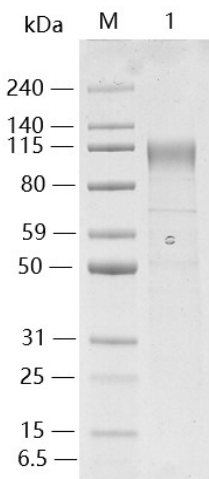
<b>Species</b>	SARS-CoV-2
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>S1 protein [Gln14-Arg685 (N439K)]</b>            Accession # P0DTC2         </div> <div style="margin: 0 10px;"> <span style="font-size: 2em;">}</span> </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> <b>Poly-His</b> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px; font-size: 0.8em;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 90% as analyzed by SDS-PAGE
<b>Endotoxin Level</b>	< 0.2 EU/μg of protein by gel clotting method
<b>Biological Activity</b>	SARS-CoV-2 Spike protein (S1, N439K, His Tag) can bind with human ACE2 (Cat. No.: Z03484) in functional ELISA assay.
<b>Expression System</b>	293 Cells
<b>Theoretical Molecular Weight</b>	79 kDa
<b>Formulation</b>	Supplied as a solution in PBS pH 7.4
<b>Concentration</b>	Please refer to the COA for the specific lot.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at -20°C or below. Avoid repeated freeze-thaw cycles.

## Examples



Immobilized ACE-2 Fc Chimera, Human (Cat. No. Z03484) at 2 μg/mL can bind SARS-CoV-2 Spike protein (S1, N439K, His Tag) (Cat. No. Z03525) with a serial dilution.

THE™ His Tag Antibody [HRP], mAb, Mouse (Cat.No.A00612) is used as a secondary antibody (0.2 μg/mL).



Lane 1: 1 $\mu$ g of SARS-CoV-2 Spike protein (S1, N439K, His Tag), reducing(R)  
> 95% as analyzed by SDS-PAGE

## Background

**Target Background :** SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. The spike protein mutation N439K may help the virus escape the host's immune response.

**Synonyms :** SARS-CoV-2 S1 protein, N439K; 2019-nCoV S1 protein, N439K

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**