

Rev03  
 Update: Dec,14,2021

**DATASHEET**

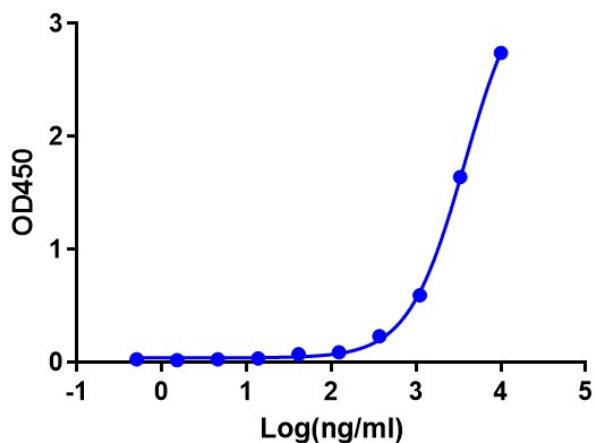
# SARS-CoV-2 Spike protein (S1, del Y144, His Tag)

Cat. No.: Z03522

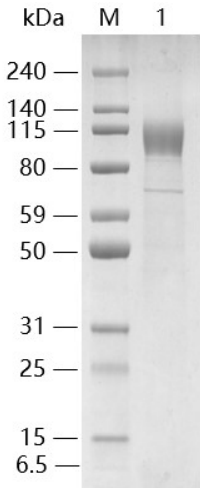
## Product Introduction

<b>Species</b>	SARS-CoV-2
<b>Protein Construction</b>	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; border-radius: 5px;">           S1 protein [Gln14-Arg685 (del Y144)]            Accession # P0DTC2         </div> <div style="background-color: #76b82a; color: white; padding: 5px; border-radius: 5px;">           Poly-His         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px; font-size: small;"> <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, del Y144, 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, del Y144, His Tag) (Cat. No. Z03522) 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, del Y144, 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 del Y144 occurs on the edge of the spike tip. It may make it harder for antibodies to stick to the coronavirus.

**Synonyms :** SARS-CoV-2 S1 protein, del Y144; 2019-nCoV S1 protein, del Y144

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