


Rev04
Update: Mar,01,2022

DATASHEET

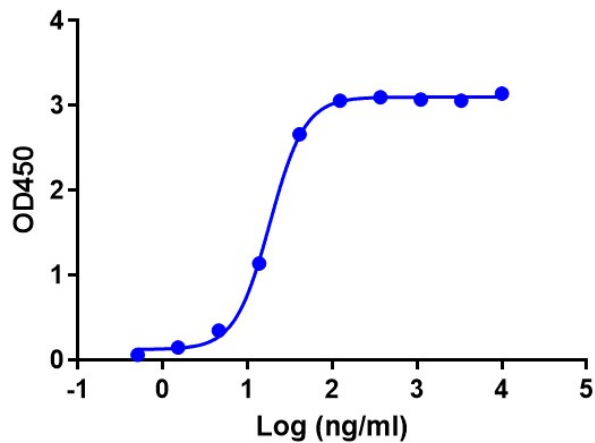
SARS-CoV-2 Spike protein (RBD, Y453F, His & Avi Tag)

Cat. No.: Z03534

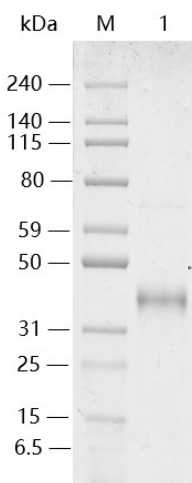
Product Introduction

| | |
|-------------------------------------|---|
| Species | SARS-CoV-2 |
| Protein Construction |  |
| Purity | > 90% as analyzed by SDS-PAGE |
| Endotoxin Level | < 0.2 EU/μg of protein by gel clotting method |
| Biological Activity | SARS-CoV-2 Spike protein (RBD, Y453F, Avi & His Tag) can bind with human ACE2 (Cat. No.: Z03484) in functional ELISA assay. |
| Expression System | 293 Cells |
| Theoretical Molecular Weight | 30 kDa |
| Formulation | Supplied as a solution in PBS, pH 7.4. |
| Concentration | Please refer to the COA for the specific lot. |
| Storage & Stability | 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 $\mu\text{g}/\text{mL}$ can bind SARS-CoV-2 Spike protein (RBD, Y453F, His & Avi Tag) (Cat. No. Z03534) with a serial dilution. THE™ His Tag Antibody [HRP], mAb, Mouse (Cat.No.A00612) is used as a secondary antibody (0.2 $\mu\text{g}/\text{mL}$).



Lane 1: 1 μg of SARS-CoV-2 Spike protein (RBD, Y453F, His & Avi 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 Y453F may help the virus escape the host's immune response.

Synonyms : SARS-CoV-2 SP RBD, Y453F; 2019-nCoV SP RBD, Y453F

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