

Rev04
 Update: Mar,01,2023

DATASHEET

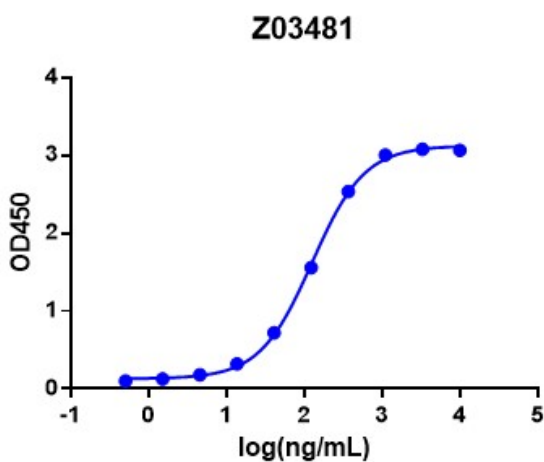
SARS-CoV-2 Spike protein (ECD, His & Flag Tag)

Cat. No.: Z03481

Product Introduction

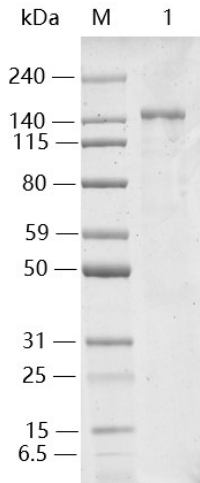
Species	SARS-CoV-2
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 5px;">Spike ECD (Val16-Pro1213) Accession # P0DTC2</div> <div style="background-color: #92d050; color: white; padding: 5px; margin-right: 5px;">Poly-His</div> <div style="background-color: #4f81bd; color: white; padding: 5px;">Flag</div> </div> <div style="display: flex; justify-content: space-between; width: 100%; font-size: small; margin-top: 5px;"> N-term C-term </div>
Purity	> 90% as analyzed by SDS-PAGE
Biological Activity	SARS-CoV-2 Spike protein (ECD) can bind with Human ACE2 in functional ELISA assay.
Expression System	Sf9 insect cells
Theoretical Molecular Weight	135 kDa
Formulation	Supplied as a solution in PBS pH 7.2 containing 10% glycerol.
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 µg/mL can bind SARS-CoV-2 Spike protein (ECD, His & Flag Tag) (Cat. No. Z03481) with a serial dilution.

THE™ His Tag Antibody [HRP], mAb, Mouse (Cat. No. A00612) is used as a secondary antibody (0.1 µg/mL).



Lane 1: 1 μ g of SARS-CoV-2 Spike protein (ECD, His & Flag 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. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. ECD is the extra cellular domain of spike protein.

Synonyms : S protein; S-ECD; ECD protein; ECD; 2019-nCoV ECD

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

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

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