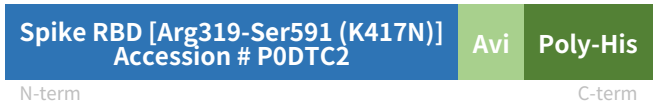
Rev03
Update: Dec,14,2021

DATASHEET

SARS-CoV-2 Spike protein (RBD, K417N, Avi & His Tag)

Cat. No.: Z03536

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, K417N, Avi & His Tag) can bind to 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

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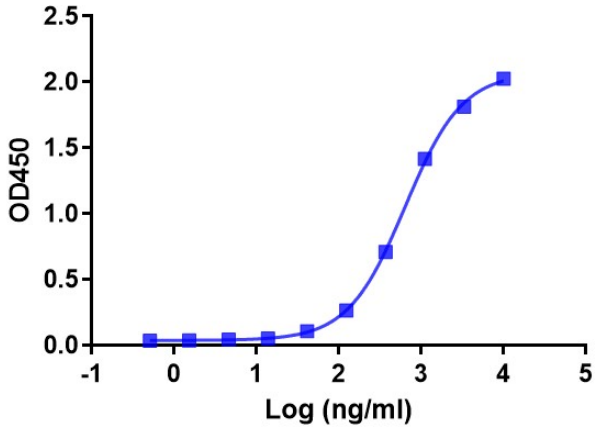
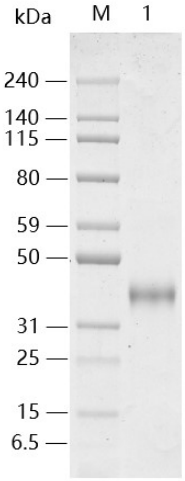
Tel: 1-732-885-9188



Immobilized ACE-2 Fc Chimera, Human (Cat. No. Z03484) at 2 μg/mL can bind SARS-CoV-2 Spike protein (RBD, K417N, Avi & His Tag) (Cat. No. Z03536) 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: 1μg of SARS-CoV-2 Spike protein (RBD, K417N, Avi & 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. This mutation corresponds to one of the three mutations found in the RBD domain of the South Africa SARS-CoV-2 virus (variant B.1.351).

Synonyms : SARS-CoV-2 SP RBD, K417N; 2019-nCoV SP RBD, K417N

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

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