

Product Datasheet

**SARS-CoV-2 (COVID-19) UK variant (B.1.1.7) S RBD
(N501Y) Recombinant Protein (orb1231548)**

Description

SARS-CoV-2 (COVID-19) UK variant

SARS-CoV-2 protein RBD (N501Y) His Tag ELISA
0.5µg SARS-CoV-2 protein RBD (N501Y) His Tag Per Well

Tested Applications

Protein
ELISA, WB

Preservatives

20mM PB (pH 7.4). 5 % trehalose is added as protectant before lyophilization.

Form/Appearance

Lyophilized

Storage

Store in working aliquots at -20°C. Avoid freeze/thaw cycles.

Tag

His-Avi

Note

For research use only

Application notes

SDS-PAGE

Protein Sequence

Arg319 - Phe541 (N501Y)

Purity

> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin level is less than 1EU per µg by the LAL method.

Source

HEK293 cells

NCBI

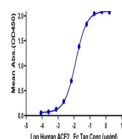
[QHD43416.1](#)

Dilution Range

SDS-PAGE

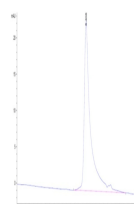
Expiration Date

6 months from date of receipt.



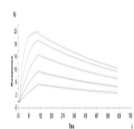
Immunized SARS-CoV-2 protein RBD (N501Y) His Tag at 0.5µg/ml (0.5µg/ml) on the plate. Same response curve for Human ACE2 Fc Tag with the EC50 of 12.7ng/ml as determined by ELISA.

Immobilized SARS-CoV-2 protein RBD (N501Y)



The purity of SARS-CoV-2 S protein RBD (N501Y) is greater than 95% as determined by SEC-HPLC.

The purity of SARS-CoV-2 S protein RBD (N501Y) is greater than 95% as determined by SEC-HPLC.



Human ACE2 captured on protein A chip can bind SARS-CoV-2 S protein RBD (N501Y) His Tag with an affinity constant of 1.7nM as determined in SPR assay (Biorbyt, 2020).

Human ACE2 captured in protein A chip, c...