SARS-CoV-2 Spike RBD2 Indian B.1.617.2 (delta)

Catalogue #	P-351-100
Description:	Protein contains amino acids 319-541, mutations L452R, T478K plus two extra amino acids (AS) in N-terminus and His-6 tag at C-terminus and GSG linker between protein and tag.
MW:	26.35 kDa
Host:	CHO-based cell line (expressed by QMCF Technology)
Kd:	1.15E-08 (binding to human ACE2 receptor)
Purification:	Metal-affinity chromatography following gel filtration. Protein is sterile-filtrated through 0.22 µm filter.
Purity:	>95%
Concentration:	1 mg/ml
Buffer:	PBS pH 7.4
Endotoxine:	NA
QC:	SDS-PAGE, analytical SEC, Octet binding to ACE2 receptor
Shipping:	Shipped on dry ice
Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles

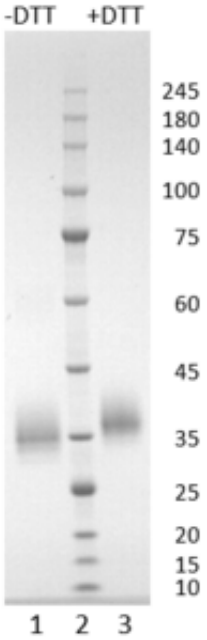

Figure 1. Coomassie-stained SDS-PAGE analysis of SARS-CoV-2 Spike RBD2 Indian B.1.617.2 4-12% gradient gel is used for analysis. Lane 1. 10.8 µg SARS-CoV-2 Spike RBD2 Indian B.1.617.2 (+DTT) Lane 2. Protein marker (Smobio) Lane 3. 0.8 µg SARS-CoV-2 Spike RBD2 Indian B.1.617.2 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	9.459	59.21	1.24
2	10.407	4713.90	98.76

Chromatogram

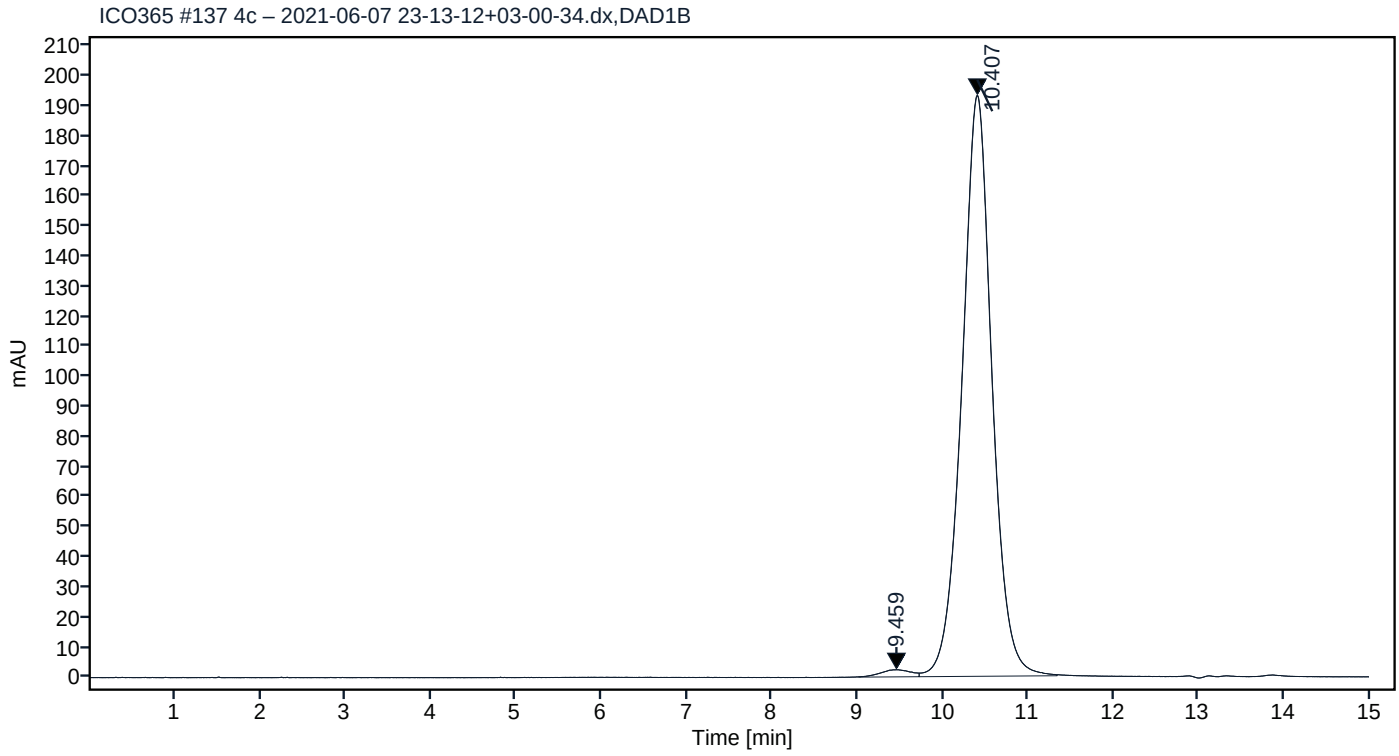

Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	9.466	70.23	1.43
2	10.409	4850.09	98.57

Chromatogram

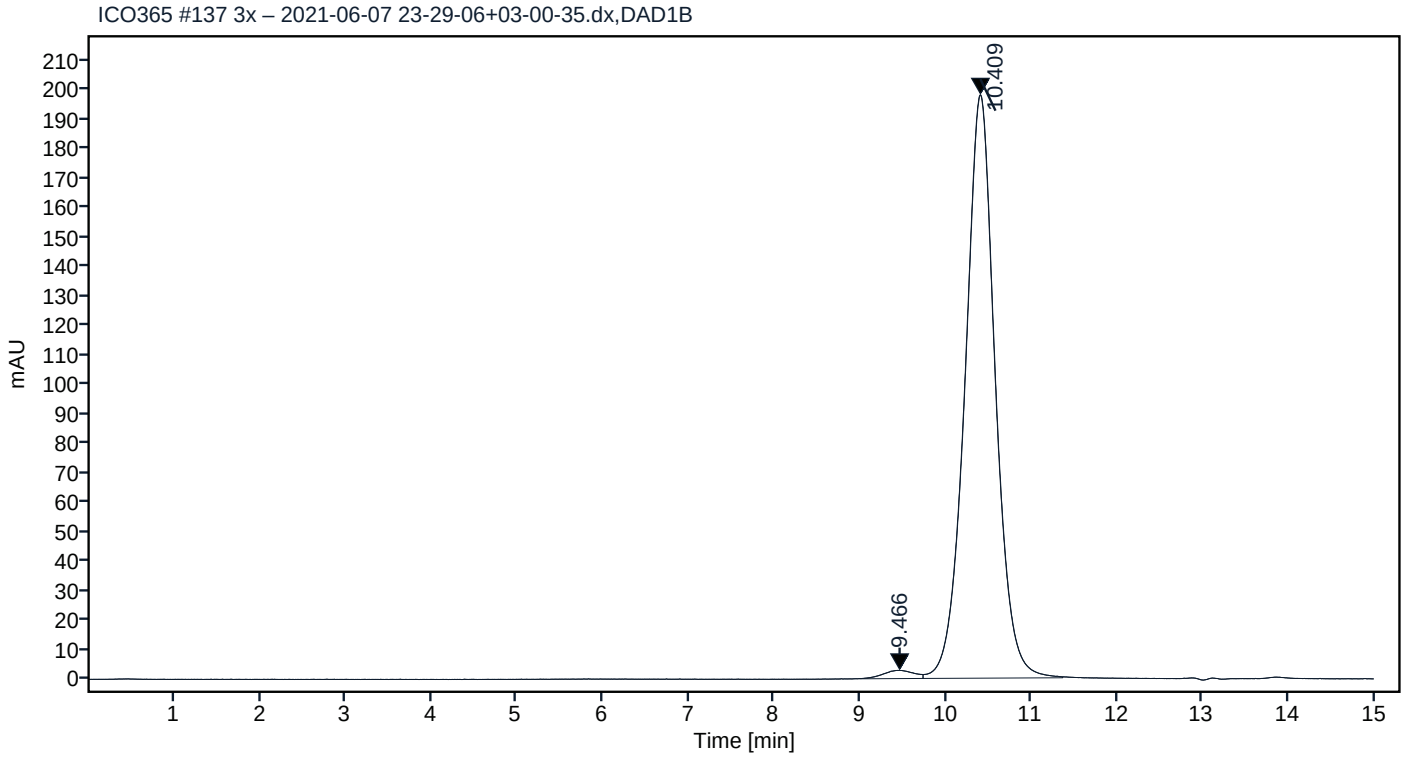

Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

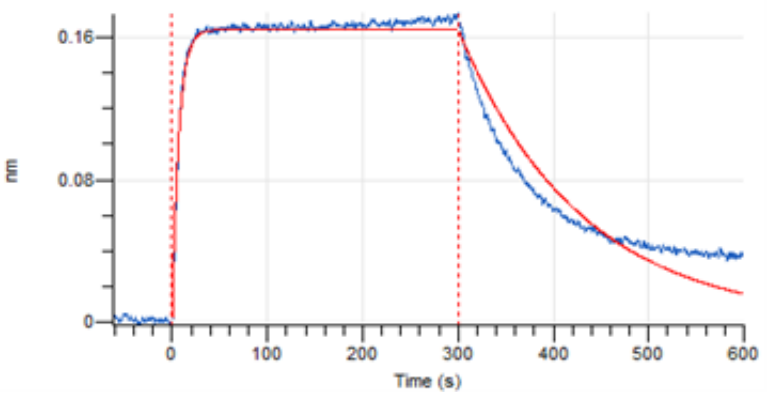

Figure 4. Octet Red96e analysis of SARS-CoV-2 Spike RBD2 Indian B.1.617.2 binding to human ACE2

receptor.