



SARS-CoV-2 Spike RBD2 C.37 (lambda)

Catalogue #	P-359-100
Description:	Protein contains amino acids 319-541, mutations L452Q, L490S plus two extra amino acids (AS) in N-terminus and His-6 tag at C-terminus and GSG linker between protein and tag.
Uniprot ID:	P0DTC2
MW:	26.24 kDa
Host:	CHO-based cell line (expressed by QMCF Technology)
Purification:	Purified by Ni-affinity chromatography and gel-filtration from serum-free CHO growth media, sterile filtrated
Purity:	>95%
Concentration:	1 mg/ml
Buffer:	PBS pH 7.4
Endotoxine:	NA
QC:	SDS-PAGE, NanoDrop A280, Analytical SEC, Octet binding to ACE2
Shipping:	Shipped on dry ice.
Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles

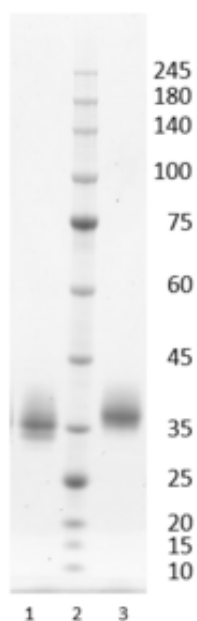


Figure 1. Simply Blue Safe stained SDS-PAGE analysis of SARS-CoV-2 Spike RBD2 C.37. 4-12% gradient gel is used for analysis. Lane 1. 0.8 μ g SARS-CoV-2 Spike RBD2 C.37 (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 0.8 μ g SARS-CoV-2 Spike RBD2 C.37 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	9.668	58.85	1.13
2	10.610	5161.86	98.87

Chromatogram

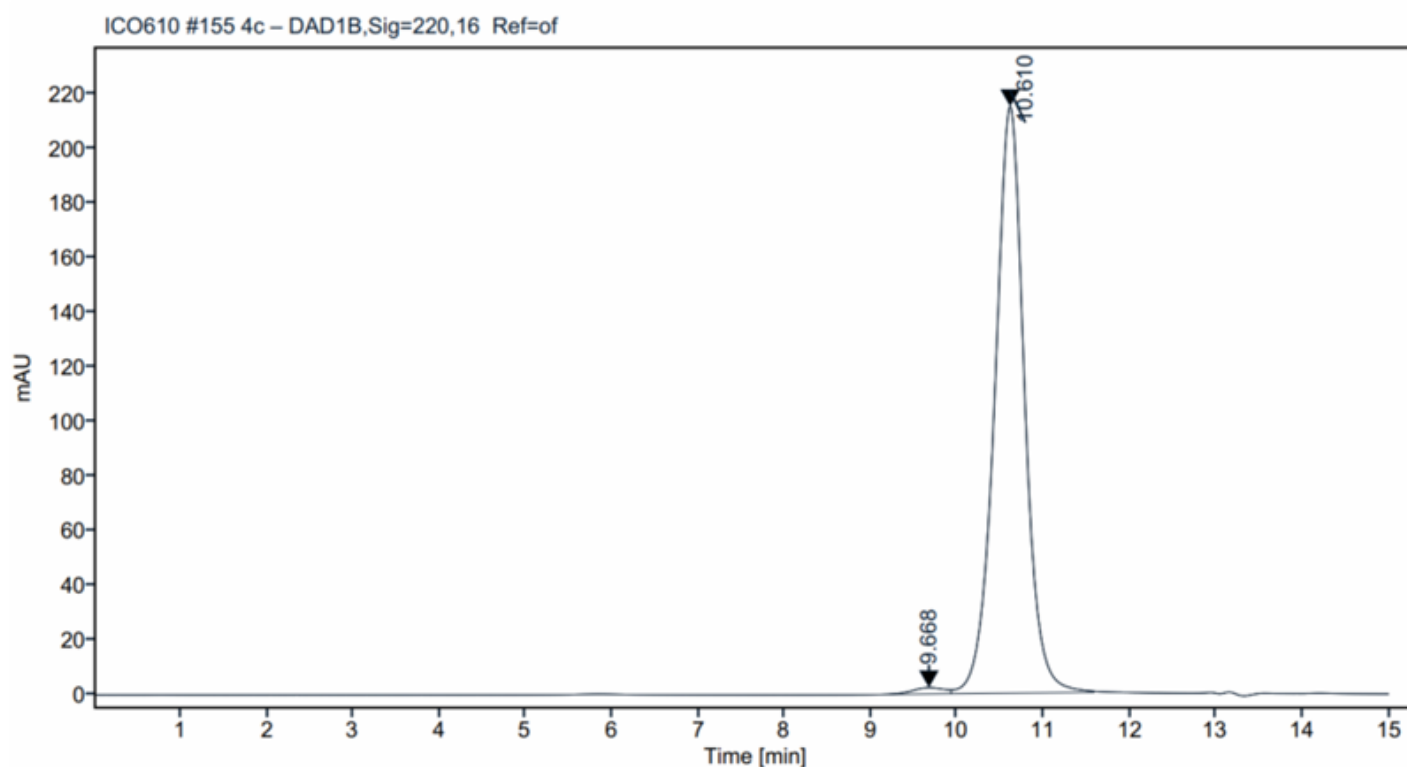


Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	9.658	60.01	1.14
2	10.602	5218.59	98.86

Chromatogram

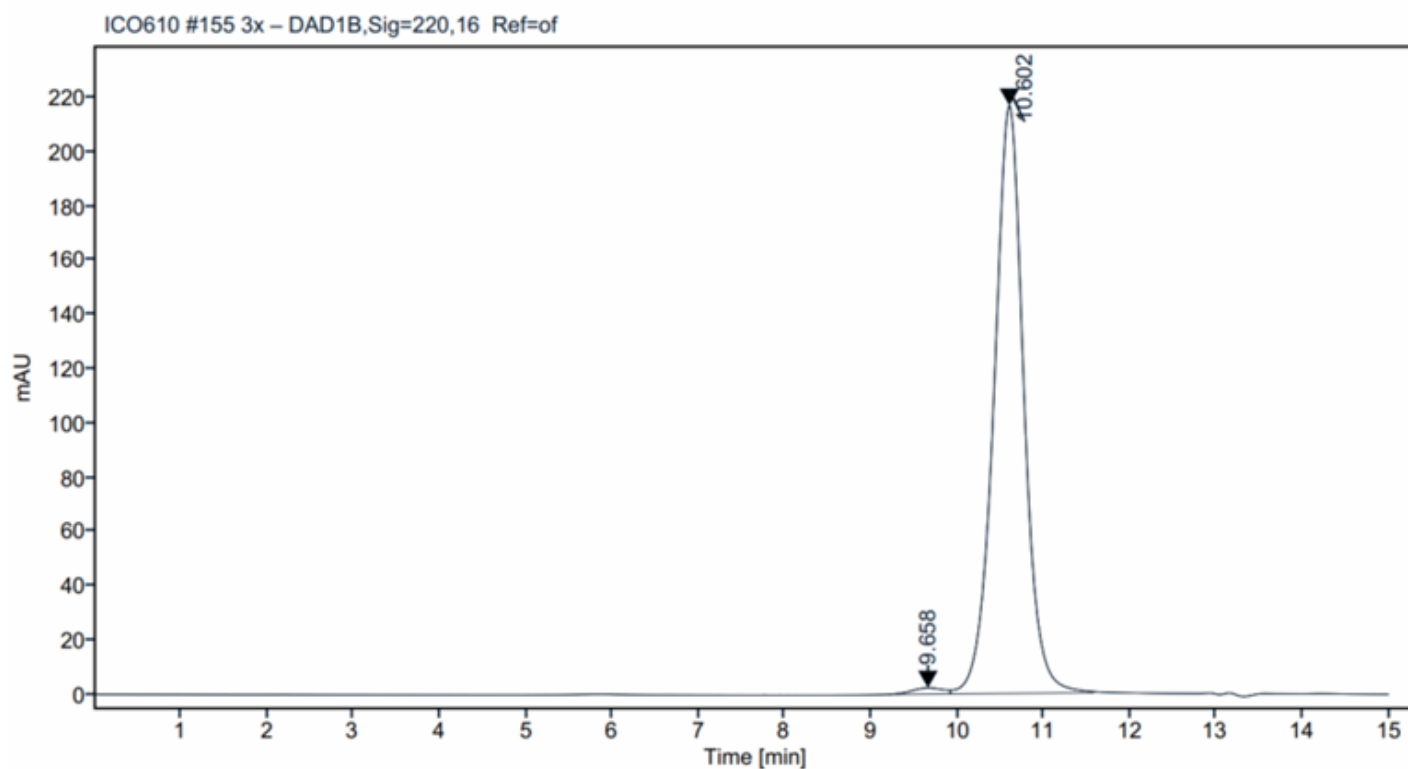


Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

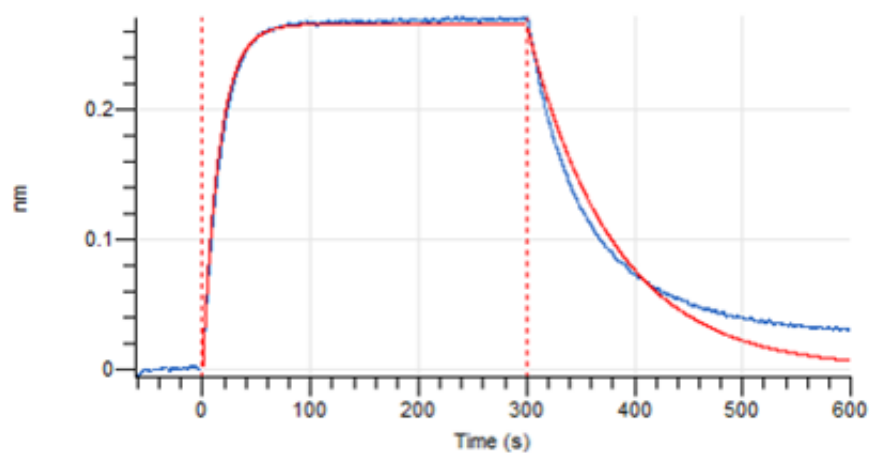


Figure 4. Octet Red96e analysis of SARS-CoV-2 Spike RBD2 C.37 binding to human ACE2 receptor.