

SARS-CoV-2 Spike RBD3 C.37 (lambda)

Catalogue # P-360-100

Description: Protein contains amino acids 319-537, 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: 25.77 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

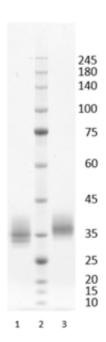


Figure 1. Simply Blue Safe stained SDS-PAGE analysis of SARS-CoV-2 Spike RBD3 C.37. 4-12% gradient gel is used for analysis. Lane 1. 0.8 μ g SARS-CoV-2 Spike RBD3 C.37 (-DTT). Lane 2. Protein marker (Smobio). Lane 3. 0.8 μ g SARS-CoV-2 Spike RBD3 C.37 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	10.633	5267.43	100.00

Chromatogram

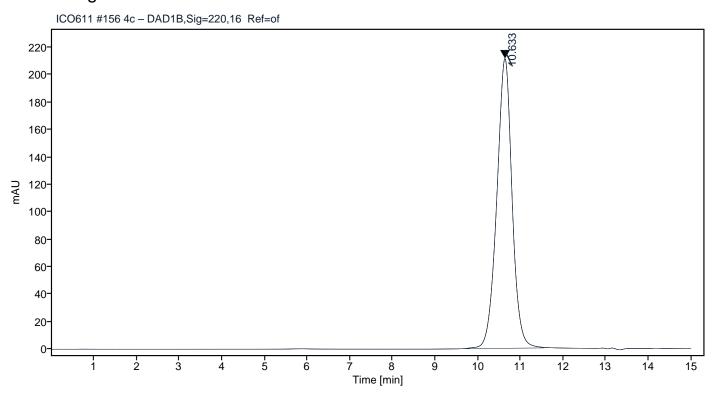


Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	10.625	5330.11	100.00

Chromatogram

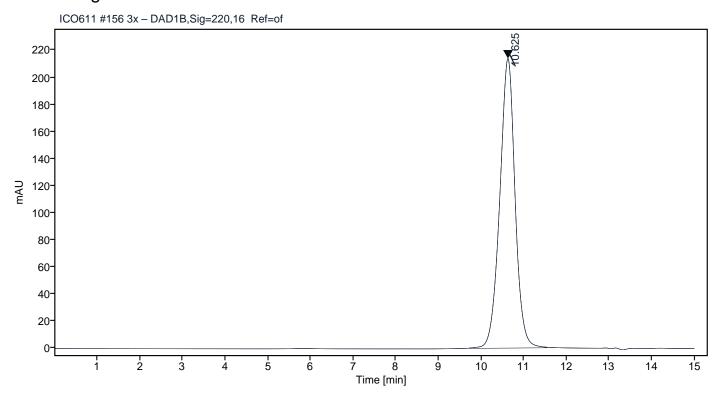


Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

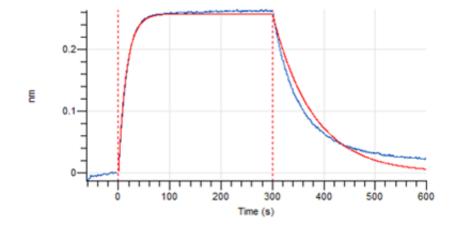


Figure 4. Octet Red96e analysis of SARS-CoV-2 Spike RBD3 C.37 binding to human ACE2 receptor.				