

Product: RBD-(K417N-E484K-N501Y)-6xHis purified recombinant protein
Catalog N.: PR0015

1. Application

Application

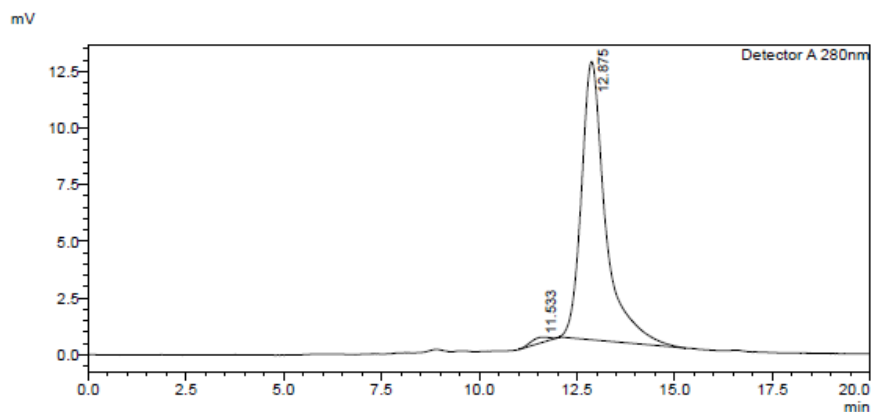
-ELISA and Western Blot

For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in human or animals.

2. Product description

Region/sequence:	SARS-CoV-2, RBD region, aa 351-541, 6xHis tag at C-terminus, K417N-E484K-N501Y mutation
Calculated MW:	26.6 KDa
Expression Host:	HEK293 cells
Form:	Liquid
Concentration:	1,32 mg/ml (UV abs)
Purity	>95%
Conjugation:	Unconjugated
Endotoxin:	0.02 EU/ml (0,01EU/mg)
Quantity:	100 ug
Buffer:	Phosphate Buffered Saline (pH 7,4)
Storage:	Store as concentrated solution. Centrifuge briefly before opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

3. SEC-HPLC

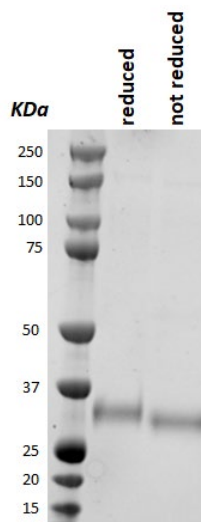


Detector A 280nm			
Peak#	Ret. Time	Area	Area%
1	11.533	7969	1.49
2	12.875	527301	98.51
Total		535270	100.00

Result: aggregates <10%

4. SDS-PAGE

Non-reducing / Reducing SDS-PAGE Loading :



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5. ACE2-hFc binding

COATING: RBD-6His 1ug/ml in PBS 1x, 50 ul/well, ON 4°C

PROTEIN BINDING: ACE2-hFc in scalar dilutions, in 1% BSA, ON 4°C

DETECTION: anti-Human, AP conjugated

DEVELOPMENT: AP substrate, 1h RT, abs at 405 nm

