

Product: RBD-(E484K)-6xHis purified recombinant protein
Catalog N.: PR0020

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, E484K mutation

Calculated MW: 26.0 KDa

Expression Host: HEK293 cells

Form: Liquid

Concentration: 1,05 mg/ml (UV abs)

Purity >95%

Conjugation: Unconjugated

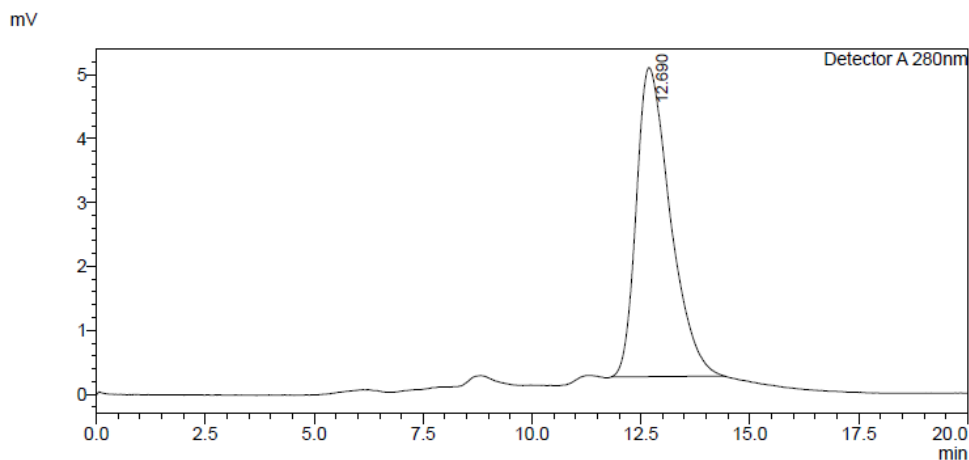
Endotoxin: <0,01EU/mg

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

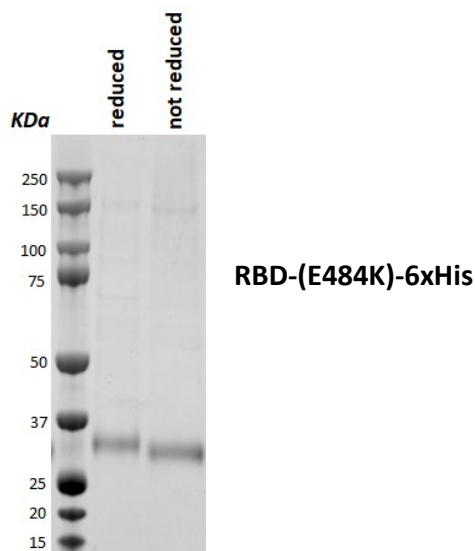


Detector A 280nm			
Peak#	Ret. Time	Area	Area%
1	12.690	262833	100.00
Total		262833	100.00

Result: aggregates <10%

4. SDS-PAGE

Non-reducing / Reducing SDS-PAGE Loading :



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

