

Product: RBD-8xHis purified recombinant protein
Catalog N.: PR0002

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 319-541 and His tag at C-terminus

Calculated MW: 26.2 KDa

Expression Host: Insect cells (Hi-5) / baculovirus

Form: Liquid

Concentration: 0,25 mg/ml (UV abs)

Purity >95%

Conjugation: Unconjugated

Endotoxin: <1 EU/mL (<0,01 EU/ug)

Quantity: 100 ug

Buffer: Tris HCl 50 mM, NaCl 150 mM (pH 8,0)

Storage: Store as concentrated solution. Centrifuge briefly before opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

SISTEMA DI GESTIONE
 QUALITÀ CERTIFICATO

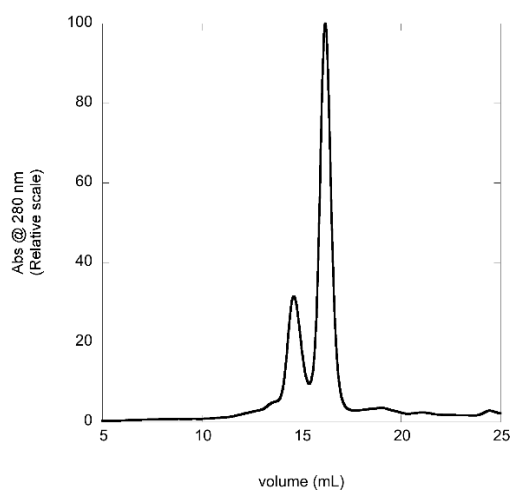
CQY
 CERTIQUALITY

UNI EN ISO 9001:2015

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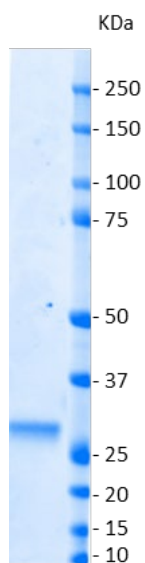
3. SEC-FPLC



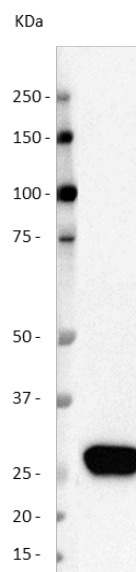
4. SDS-PAGE & Western Blot

Reducing SDS-PAGE Loading

COOMASSIE STAINING



WESTERN BLOT



IB: His TAG 1: 2000 O/N
PBS-T 5% milk

RBD-8xHis

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5. Ab anti-spike binding

COATING:	RBD-8xHis different concentrations (1, 3, 5 ug/ml) in PBS 1x, 50 ul/well, ON 4°C. It could be also used at lower concentrations (0,1 – 0,5 ug/mL).
ANTIBODY BINDING:	rabbit anti-SARS-CoV-2 Spike S1 Subunit antibody 1:500, in 1% BSA, ON 4°C
DETECTION:	anti-rabbit, HRP conjugated
DEVELOPMENT:	TMB substrate, 1h RT, stop reagent for TMB substrate, abs at 450 nm

