

Bioassayplus Inc.

4510 Rhodes Dr. Windsor, Canada, N8W 5K5

Certificate of Analysis

Important note: centrifuge before opening to ensure complete recovery of vial content.

Product name: Covid-19 Spike-RBD318-542, (also called as SARS-CoV-2, Wuhan Coronavirus)

Catalog: covid-19-RBD

Description: Covid-19 virus receptor binding domain (318 to 542) within S1 of Spike protein was cloned, expressed and purified from *E. coli*. This protein contains a 6 x His tag at its C terminal, migrated at 25.7kDa on SDS-PAGE, and iso-electric point is 8.97. Following is its sequence:

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HMRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSA  
SFSTFKCYGVSPKLNLDLFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPDDF  
TGCVIAWNSNLDKSKVGGNYNYLYRFRKSNLKPFFERDISTEIYQAGSTPCNGVEG  
FNCYFPLQSYGFQPTNGVGYQPYRVVVLSEFLLHAPATVCGPKKSTNLVKNKCVNF  
NLE
```

Format: purified liquid

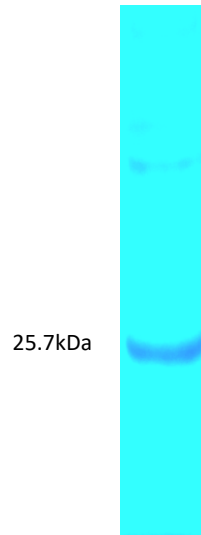
Purification: 95% pure (10% SDS-PAGE commassie blue staining). Proprietary chromatographic technique.

Concentration: 1.8/ml (lot E072020)

Buffer: PBS with 25mM K₂CO₃

Storage: upon receipt, short time in 4 °C, long term store at -20°C, avoid multiple freeze and thaw cycles.

Application: ELISA, lateral flow immunoassay, Western blot



Covid-19 spike RBD318-542,
1.8mg/ml, Lot: E072020