

## Recombinant COVID-19 S Protein RBD-SD1

Catalog #	Source	Reactivity	Applications
CRP3096	Human cells	COVID-19	E, WB, SDS-PAGE, MS

**Description** Recombinant COVID-19 S Protein RBD-SD1 is produced by mammalian expression system and the target gene encoding Arg319-Pro589 is expressed with a mFC tag at the C-terminus.

**Form** Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.

**Gene Symbol**

**Alternative Names** 2019-nCov RBD Protein; 2019-nCoV Spike RBD Protein

**Entrez Gene** QHD43416.1

**SwissProt**

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** RVQPTESIVR FPNITNLCPF GEVFNATRFA SVYAWNRRKRI SNCVADYSVL YNSASFSTFK CYGVSPTKLN DLCFTNVYAD SFVIRGDEV R QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS NNLD SKVGGN YNYLYR LFRK SNLKP FERDI STEIYQAGST PCNGVEGFNC YFPLQSYGFQ PTNGVGYQPY RVVVLSFELL HAPATVCGPK KSTNLVKNKC VNFNFNGLTG TGVLTESNKK FLPFQQFGRD IADTTDAVRD PQTLEILDIT PPRDCGCKPC ICTVPEVSSV FIFPPKPKDV LTITLTPKVT CVVVDISKDD PEVQFSWFVD DVEVHTAQ TQ PREEQFNSTF RSVSELPIMH QDWLNGKEFK CRVNSAAFPA PIEKTISKTK GRPKAPQVYT IPPPKEQMAK DKVSLTCMIT DFFPEDITVE WQWNGQPAEN YKNTQPIMDT DGSYFVYSKL NVQKSNWEAG NTFTCSVLHE GLHNHHT EKS LSHSPGK

**Quality Control** Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Directions for Use** Please minimize freeze-thaw cycles.

**Storage/Stability** Store it at -20°C to -80°C for one year. It is recommended that the protein be

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
www.cohesionbio.com

**ORDER**  
order@cohesionbio.com

**SUPPORT**  
techsupport@cohesionbio.com

**CUSTOM**  
custom@cohesionbio.com

# Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

## COHESION BIOSCIENCES LIMITED

**WEB**

[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**

[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**

[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**

[custom@cohesionbio.com](mailto:custom@cohesionbio.com)