

Product Data Sheet

Recombinant COVID-19 S Protein RBD (Y501)

Catalog #	Source	Reactivity	Applications
CRP3127	Human cells	COVID-19	E, WB, SDS-PAGE, MS
Description	Recombinant COVID-19 S Protein RBD is produced by mammalian expression system and the target gene encoding Arg319-Phe541 is expressed with a mutation site at Y501 and a Fc tag at the C-terminus.		
Form	Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.		
Gene Symbol			
Alternative Names	S1 protein; 2019-nCoV S1 protein; coronavirus S1 Protein; cov S1 Protein		
Entrez Gene	QHD43416.1 (COVID-19)		
SwissProt	P0DTC2 (COVID-19)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure			
Quality Control			
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be 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

ORDER
order@cohesionbio.com

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techsupport@cohesionbio.com

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custom@cohesionbio.com