

Recombinant COVID-19 S Protein RBD

Catalog #	Source	Reactivity	Applications
CRP3094	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 Asn331-Val524 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	S protein RBD; 2019-nCoV S protein RBD		
Entrez Gene	QHD43416.1		
SwissProt			
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>NITNLCPFGE VFNATRFASV YAWNRKRISN CVADYSVLYN SAFSTFKCY GVSPTKLNLDL CFTNVYADSF VIRGDEVRQI APGQTGKIAD YNYKLPDDFT GCVIAWNSNN LDSKVGGNYN YLYRLFRKSN LKPFERDIST EIYQAGSTPC NGVEGFNCYF PLQSYGFQPT NGVGYQPYRV VVLSFELLHA PATVPRDCGC KPCICTVPEV SSVFIFPPKP KDLTITLTP KVTCVVVDIS KDDPEVQFSW FVDDVEVHTA QTQPREEQFN STFRSVSELP IMHQDWLNGK EFKCRVNSAA FPAPIEKTIS KTKGRPKAPQ VYTIPPPKEQ MAKDKVSLTC MITDFFPEDI TVEWQWNGQP AENYKNTQPI MDTDGSYFVY SKLNVQKSNW EAGNTFTCSV LHEGLHNHHT EKSLSHSPGK</p>		
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 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

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