

SUPPLEMENTAL MATERIAL

(Ennemoser et al._Biomedicines 1510490, Revision)

Spike RBD (S1-RBD 319-541)

10	20	30	40	50	60
RVQPTESIVR	FPNITNLCPF	GEVFNATRFA	SVYAWNRRKRI	SNCVADYSVL	YNSASFSTFK
70	80	90	100	110	120
CYGVSP TKLN	DLCFTNVYAD	SFVIRGDEV R	QIAPGQTGKI	ADYNYKLPDD	FTGCVIAWNS
130	140	150	160	170	180
NNLDSKVGGN	YNYLYRLFRK	SNLKPFERDI	STEIYQAGST	PCNGVEGFNC	YFPLQSYGFQ
190	200	210	220		
PTNGVGYPY	RVVLSFELL	HAPATVCGPK	KSTNLVKNC	VNF	

Tag: AVI-Tag mit 6xHis separated by G4S linker

Spike FL (S1 subdomain 16-685)

10	20	30	40	50	60
VNLTRTQLP	PAYTNSFTRG	VYYPDKVFRS	SVLHSTQDLF	LPFFSNVTWF	HAIHVS GTNG
70	80	90	100	110	120
TKRFDNPVLP	FNDGVYFAST	EKSNIIRGWI	FGTTLD SKTQ	SLLI VNNATN	VVIKVCE FQF
130	140	150	160	170	180
CNDPFLGVYY	HKNNKSWMES	EFRVYSSANN	CTFEYVSQPF	LMDLEGKQGN	FKNLREFVFK
190	200	210	220	230	240
NIDGYFKIYS	KHTPINLVRD	LPQGFSALEP	LVDLPIGINI	TRFQTLLALH	RSYLTPGDSS
250	260	270	280	290	300
SGWTAGAAAY	YVGYLQPRTF	LLKYNENGTI	TDAVDCALDP	LSETKCTLKS	FTVEKG IYQT
310	320	330	340	350	360
SNFRVQPTES	IVRFPNITNL	CPFGEVFNAT	RFASVYAWNR	KRISNCVADY	SVLYNSASF S
370	380	390	400	410	420
TFKCYGVSP T	KLNDLCFTNV	YADSFVIRGD	EVRQIAPGQT	GKIADYNYKL	PDDFTGC VIA
430	440	450	460	470	480
WNSNNLDSKV	GGNYNYLYRL	FRKSNLKPFE	RDISTE IYQA	GSTPCNGVEG	FNCYFPLQSY
490	500	510	520	530	540
GFQPTNGVG Y	QPYRVVVL SF	ELLHAPATVC	GPKKSTNLVK	NKCVNFNFNG	LTGTGVL TES
550	560	570	580	590	600
NKKFLPFQQF	GRDIADTTDA	VRDPQTLEIL	DITPCSFGGV	SVITPGTNTS	NQVAVLYQDV
610	620	630	640	650	
NCTEVPVAIH	ADQLTPTWRV	YSTGSNVFQT	RAGCLIGA EH	VNNSYEC DIP	IGAGICA

Tag: AVI-Tag with 6xHis separated by G4S linker

ACE2 (ectodomain 18-740)

10	20	30	40	50	60
QSTIEEQAKT	FLDKFNHEAE	DLFYQSSLAS	WNYNTNITEE	NVQNMNNAGD	KWSAFLKEQS
70	80	90	100	110	120

TLAQMYPLQE	IQNLTVKLQL	QALQQNGSSV	LSEDKSKRLN	TILNTMSTIY	STGKVCNPDN
130	140	150	160	170	180
PQECLLLEPG	LNEIMANSLD	YNERLWAWES	WRSEVGKQLR	PLYEEYVVLK	NEMARANHYE
190	200	210	220	230	240
DYGDYWRGDY	EVNGVDGYDY	SRGQLIEDVE	HTFEEIKPLY	EHLHAYVRAK	LMNAYPSYIS
250	260	270	280	290	300
PIGCLPAHLL	GDMWGRFWTN	LYSLTVPPGQ	KPNIDVTDAM	VDQAWDAQRI	FKEAEKFFVS
310	320	330	340	350	360
VGLPNMTQGF	WENSMLTDPG	NVQKAVCHPT	AWDLGKGDFR	ILMCTKVTMD	DFLTAHHEMG
370	380	390	400	410	420
HIQYDMAYAA	QPFLLRNGAN	EGFHEAVGEI	MSLSAATPKH	LKSIGLLSPD	FQEDNETEIN
430	440	450	460	470	480
FLLKQALTIV	GTLPTFTYMLE	KWRWMVFKGE	IPKDQWMKKW	WEMKREIVGV	VEPVPHDETY
490	500	510	520	530	540
CDPASLFHVS	NDYSFIRYYT	RTLYQFQFQE	ALCQAAKHEG	PLHKCDISNS	TEAGQKLFNM
550	560	570	580	590	600
LRLGKSEPWT	LALENVVGAK	NMNVRLPLNY	FEPLFTWLKD	QNKNSFVGWS	TDWSPYADQS
610	620	630	640	650	660
IKVRISLKSA	LGDKAYEWN	NEMYLFRSSV	AYAMRQYFLK	VKNQMILFGE	EDVRVANLKP
670	680	690	700	710	720
RISFNFFVTA	PKNVSDIIPR	TEVEKAIRMS	RSRINDAFRL	NDNSLEFLGI	QPTLGPPN
					QPPVS

Tag: FLAG with 6xHis separated by G4S