

Product	ProMix™ SARS-CoV-2 Peptide Pool
No. of Peptides	32 peptides
Quantity	approx. 25 µg / peptide
Description	This pool consists of 32 peptides, each corresponding to a defined HLA class I-restricted T cell epitope from severe acute respiratory syndrome coronavirus 2 virus (SARS-CoV-2).
Sequences	<i>see overleaf</i>
Purity (HPLC)	>90% (determined at 220 nm; individual peptides)
Remark	The peptides of this product are supplied as trifluoroacetate salts
Storage	Store at - 20°C
Solubilization	Dissolve in a minimum amount of pure DMSO (approx. 40 µl) and dilute with PBS buffer to the final concentration. Please note that the final concentration of DMSO must be below 1 % (v/v) to avoid toxicity in a biological system.

Use recommended within 6 months.

Released by:
(dated as per product label above)

Sequences:

Peptide	Sequence	Epitope Source	HLA Allele Restriction
1	CTDDNALAYY	ORF1ab 4163-4172	A*01:01
2	DTDFVNEFY	ORF1ab 5135-5143	A*01:01
3	FTSDYYQLY	ORF3a 207-215	A*01:01
4	GTDLEGNFY	ORF1ab 3442-3450	A*01:01
5	LTDEMIAQY	Spike 865-873	A*01:01
6	PTDNYITTY	ORF1ab 1621-1629	A*01:01
7	TTDPSFLGRY	ORF1ab 1637-1646	A*01:01
8	ALSKGVHFV	ORF3a 72-80	A*02:01
9	ALWEIQQVV	ORF1ab 4099-4107	A*02:01
10	FIAGLIAIV	Spike 1220-1228	A*02:01
11	KLWAQCVQL	ORF1ab 3886-3894	A*02:01
12	LITGRLQSL	Spike 996-1004	A*02:01
13	LLLDRLNQL	Nucleocapsid 223-231	A*02:01
14	LLYDANYFL	ORF3a 139-147	A*02:01
15	RLQSLQTYV	Spike 1000-1008	A*02:01
16	YLQPRTFLL	Spike 269-277	A*02:01
17	KTIQPRVEK	ORF1ab 282-290	A*03:01
18	VVYRGTTTTYK	ORF1ab 5538-5547	A*03:01
19	KTFPTEPK	Nucleocapsid 362-370	A*03:01/A*11:01
20	ASMPPTIAK	ORF1ab 2197-2205	A*11:01
21	ATEGALNTPK	Nucleocapsid 134-143	A*1101
22	SAFAMMFVK	ORF1ab 3627-3635	A*1101
23	STFNVPMEK	ORF1ab 2605-2613	A*1101
24	QYIKWPWYI	Spike 1208-1216	A*2402
25	VYFLQSINF	ORF3a 114-122	A*2402
26	VYIGDPAQL	ORF1ab 5840-5848	A*2402
27	I PRNVATL	ORF1ab 5921-5929	B*07:02
28	KPRQKRTAT	Nucleocapsid 257-265	B*07:02
29	SPRRARVA	Spike 680-688	B*07:02
30	SPRWYFYYL	Nucleocapsid 105-113	B*07:02
31	QRNAPRITF	Nucleocapsid 9-17	B*27:05
32	MEVTPSGTWL	Nucleocapsid 322-331	B*40:01

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