

Rev01
Update: Dec,28,2022

DATASHEET

SARS-CoV-2 N

Cat. No.: RP30013

Overview

Description	This pool includes 102 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Nucleoprotein (Protein ID: P0DTC9) of SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) for T cell assays.
Sequence	MSDNGPQNQRNAPRITFGGSPDSTGSNQNGERSGARSKQRRPQGLPNNTASWFTALTQHGKEDL KFPRGQGVPIINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSPRWYFYLTGPEAGLPYGANKDGIW VATEGALNTPKDHIGTRNPANNAIVLQLPQGTTLPKGFYAEGSRGGSQASSRSSRSRNSSRNSTP GSSRGTSPARMAGNGGDAALALLLDRLNQLESKMSGKGGQQQGGQTVTKKSAEASKKPRQKRTA TKAYNVTQAFGRRGPEQTQGNFGDQELIRQGTDYKHWPIAQFAPSASAFFGMSRIGMEVTPSGTW LTYTGAIKLDDKDPNFKDQVILLNKHIDAYKTFPTEPKKDKKKKADETQALPQRQKKQQTVTL LPA ADLDDFSKQLQQSMSSADSTQA

Properties

Purity	Crude
Solubility	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 the biological system.
Form	Lyophilized
Storage	Store at -20°C.
Note	The peptides of this product are supplied as trifluoroacetate salts

Applications

T-cell assays, Immune monitoring, Antigen specific T-cell stimulation, T-cell expansion, Cellular immune response

Sequence (one-letter-code)

Code	Sequence	Code	Sequence
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peptide_1	MSDNGPQNQRNAPRI	peptide_2	GPQNQRNAPRITFGG
peptide_3	QRNAPRITFGGPSDS	peptide_4	PRITFGGPSDSTGSN
peptide_5	FGGPSDSTGSNQNGE	peptide_6	SDSTGSNQNGERSGA
peptide_7	GSNQNGERSGARSKQ	peptide_8	NGERSGARSKQRRPQ
peptide_9	SGARSKQRRPQGLPN	peptide_10	SKQRRPQGLPNNTAS
peptide_11	RPQGLPNNTASWFTA	peptide_12	LPNNTASWFTALTQH
peptide_13	TASWFTALTQHGKED	peptide_14	FTALTQHGKEDLKFP
peptide_15	TQHGKEDLKFPRGQG	peptide_16	KEDLKFPRGQGVPI
peptide_17	KFPRGQGVPIINTSS	peptide_18	GQGVPIINTSSPDDQ
peptide_19	PINTSSPDDQIGYY	peptide_20	NSSPDDQIGYYRRAT
peptide_21	DDQIGYYRRATRRIR	peptide_22	GYRRATRRIRGGDG
peptide_23	RATRRIRGGDGKMKD	peptide_24	RIRGGDGKMKDLSR
peptide_25	GDGKMKDLSRWYFY	peptide_26	MKDLSRWYFYLLGT
peptide_27	SRWYFYLLGTGPEA	peptide_28	YFYLLGTGPEAGLPY
peptide_29	LGTGPEAGLPYGANK	peptide_30	PEAGLPYGANKDGII
peptide_31	LPYGANKDGIIWVAT	peptide_32	ANKDGIIWVATEGAL
peptide_33	GIIWVATEGALNTPK	peptide_34	VATEGALNTPKDHIG
peptide_35	GALNTPKDHIGTRNP	peptide_36	TPKDHIGTRNPANNA
peptide_37	HIGTRNPANNAIVL	peptide_38	RNPANNAIVLQLPQ
peptide_39	NNAIVLQLPQGTTL	peptide_40	IVLQLPQGTTLPKG
peptide_41	LPQGTTLPKGFYAEG	peptide_42	TTLPKGFYAEGSRGG
peptide_43	KGFYAEGSRGGSQAS	peptide_44	AEGSRGGSQASSRSS
peptide_45	RGGSQASSRSSRSR	peptide_46	QASSRSSRSRNSSR
peptide_47	RSSRSRNSSRNSTP	peptide_48	RSRNSSRNSTPGSSR
peptide_49	SSRNSTPGSSRGTSP	peptide_50	STPGSSRGTSPARMA
peptide_51	SSRGTSPARMAGNGG	peptide_52	TSPARMAGNGGDAAL
peptide_53	RMAGNGGDAALALLL	peptide_54	NGGDAALALLLLDRL
peptide_55	AALALLLLDRLNQL	peptide_56	LLLLDRLNQLSKMS
peptide_57	DRLNQLSKMSGKGQ	peptide_58	QLSKMSGKGQQQQG
peptide_59	KMSGKGQQQQGQTVT	peptide_60	KGQQQQGQTVTKKSA
peptide_61	QQGQTVTKKSAEAS	peptide_62	TVTKKSAEASKKPR
peptide_63	KSAEASKKPRQKRT	peptide_64	EASKKPRQKRTATKA

peptide_65	KPRQKRTATKAYNVT	peptide_66	KRTATKAYNVTQAFG
peptide_67	TKAYNVTQAFGRRGP	peptide_68	NVTQAFGRRGPEQTQ
peptide_69	AFGRRGPEQTQGNFG	peptide_70	RGPEQTQGNFGDQEL
peptide_71	QTQGNFGDQELIRQG	peptide_72	NFGDQELIRQGTDYK
peptide_73	QELIRQGTDYKHWPQ	peptide_74	RQGTDYKHWPQIAQF
peptide_75	DYKHWPQIAQFAPSA	peptide_76	WPQIAQFAPSASAFF
peptide_77	AQFAPSASAFFGMSR	peptide_78	PSASAFFGMSRIGME
peptide_79	AFFGMSRIGMEVTPS	peptide_80	MSRIGMEVTPSGTWL
peptide_81	GMEVTPSGTWLTYTG	peptide_82	TPSGTWLTYTGAIKL
peptide_83	TWLTYTGAIKLDDKD	peptide_84	YTGAIKLDDKDPNFK
peptide_85	IKLDDKDPNFKDQVI	peptide_86	DKDPNFKDQVILLNK
peptide_87	NFKDQVILLNKHIDA	peptide_88	QVILLNKHIDAYKTF
peptide_89	LNKHIDAYKTFPTE	peptide_90	IDAYKTFPTEPKKD
peptide_91	KTFPTEPKKDKKKK	peptide_92	PTEPKKDKKKKADET
peptide_93	KKDKKKKADETQALP	peptide_94	KKKADETQALPQRQK
peptide_95	DETQALPQRQKKQQT	peptide_96	ALPQRQKKQQTVLL
peptide_97	RQKKQQTVLLPAAD	peptide_98	QQTVLLPAADLDDF
peptide_99	TLLPAADLDDFSKQL	peptide_100	AADLDDFSKQLQQSM
peptide_101	DDFSKQLQQSMSSAD	peptide_102	KQLQQSMSSADSTQA