

Rev02
Update: Jan,16,2023**DATASHEET**

SARS-CoV-2 Spike Glycoprotein RBD B.1.1.7-Alpha

Cat. No.: RP30026

Overview

Description	This pool is delivered in one pool of 53 peptides derived from a peptide scan (15mers with 11 aa overlap) through Spike glycoprotein - Receptor binding domain (mutation: N501Y) of SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) for T cell assays (e.g. ELISPOT).
Sequence	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNNYLYRLFRKSNLKPFRDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTYGVGYQPYRWWLSFELLHAPATVCGPKKSTNLVKNKCVNF

Properties

Source	Severe Acute Respiratory Syndrome-related coronavirus 2 (Lineage B.1.1.7) Spike glycoprotein - Receptor binding domain (covering the following mutation: N501Y).
Gene ID	S
Length	223 aa
Purity	Crude (Major peak by ESI-MS is guaranteed to be peptide of interest - determined at 220 nm for each individual peptide).
Solubility	Dissolve in a minimum amount of pure DMSO (approx. 50 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.

Sequence (one-letter-code)

Code	Sequence	Code	Sequence
peptide_1	RVQPTESIVRFPNIT	peptide_2	TESIVRFPNITNLCP
peptide_3	VRFPNITNLCPFGEV	peptide_4	NITNLCPFGEVFNAT
peptide_5	LCPFGEVFNATRFAS	peptide_6	GEVFNATRFASVYAW
peptide_7	NATRFASVYAWNRKR	peptide_8	FASVYAWNRKRISNC
peptide_9	YAWNRKRISNCVADY	peptide_10	RKRISNCVADYSVLY
peptide_11	SNCVADYSVLYNSAS	peptide_12	ADYSVLYNSASFSTF
peptide_13	VLYNSASFSTFKCYG	peptide_14	SASFSTFKCYGVSPT
peptide_15	STFKCYGVSPTKLND	peptide_16	CYGVSPTKLNDLCFT
peptide_17	SPTKLNDLCFTNVYA	peptide_18	LNDLCFTNVYADSFV
peptide_19	CFTNVYADSFVIRGD	peptide_20	VYADSFVIRGDEVQR
peptide_21	SFVIRGDEVQRQIAPG	peptide_22	RGDEVQRQIAPGQTGK
peptide_23	VRQIAPGQTGKIADY	peptide_24	APGQTGKIADYNYKL
peptide_25	TGKIADYNYKLPPDF	peptide_26	ADYNYKLPPDFTGCV
peptide_27	YKLPPDFTGCVIAWN	peptide_28	DDFTGCVIAWNSNNL
peptide_29	GCVIAWNSNNLDSKV	peptide_30	AWNSNNLDSKVGNGY
peptide_31	NNLDSKVGNGYNYLY	peptide_32	SKVGNGYNYLYRFLR
peptide_33	GNYNLYRFLRKSNI	peptide_34	LYRFLRKSNIKPF
peptide_35	LFRKSNIKPFERDIS	peptide_36	SNLKPFERDISTEY
peptide_37	PFERDISTEYQAGS	peptide_38	DISTEYQAGSTPCN
peptide_39	EYQAGSTPCNGVEG	peptide_40	AGSTPCNGVEGFNCY
peptide_41	PCNGVEGFNCYFPLQ	peptide_42	VEGFNCYFPLQSYGF
peptide_43	NCYFPLQSYGFQPTY	peptide_44	PLQSYGFQPTYGVGY
peptide_45	YGFQPTYGVGYQPYP	peptide_46	PTYGVGYQPYPVWL
peptide_47	VGYPYPVWVLSFEL	peptide_48	YPVWVLSFELLHAP
peptide_49	VVLSFELLHAPATVC	peptide_50	FELLHAPATVCGPKK
peptide_51	HAPATVCGPKKSTNL	peptide_52	TVCGPKKSTNLVKNK
peptide_53	PKKSTNLVKNKCVNF		