

Rev01  
Update: Dec,28,2022

**DATASHEET**

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

Cat. No.: RP30026CN

## Overview

<b>Description</b>	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).
<b>Sequence</b>	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLN DLCFTNVYADSFVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNNYLYRL FRKSNLKPFRDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTYGVGYQPYRWVLSFELLHAPATV CGPKKSTNLVKNKCVNF

## Properties

<b>Source</b>	Severe Acute Respiratory Syndrome-related coronavirus 2 (Lineage B.1.1.7) Spike glycoprotein - Receptor binding domain (covering the following mutation: N501Y).
<b>Gene ID</b>	S
<b>Length</b>	223 aa
<b>Purity</b>	Crude (Major peak by ESI-MS is guaranteed to be peptide of interest - determined at 220 nm for each individual peptide).
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C.
<b>Note</b>	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	TGKIADYNYKLPDDF	peptide_26	ADYNYKLPDDFTGCV
peptide_27	YKLPDDFTGCVIAWN	peptide_28	DDFTGCVIAWNSNNL
peptide_29	GCVIAWNSNNLDSKV	peptide_30	AWNSNNLDSKVGNGY
peptide_31	NNLDSKVGNGYNYLY	peptide_32	SKVGNGYNYLYRFLR
peptide_33	GNYNLYRFLRKSNL	peptide_34	YLRLRFLRKSNLKPF
peptide_35	LFRKSNLKPFERDIS	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	PYPVWVLSFELLHAP
peptide_49	VVLSFELLHAPATVC	peptide_50	FELLHAPATVCGPKK
peptide_51	HAPATVCGPKKSTNL	peptide_52	TVCGPKKSTNLVKNK
peptide_53	PKKSTNLVKNKCVNF		