

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike B.1.1.7 / Alpha)
Product code: PM-SARS2-SMUT01-1
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-Related Coronavirus 2)
 (Lineage B.1.1.7, Alpha Variant)
 Spike glycoprotein - contains mutations H0069-, V0070-, Y0144-, N0501Y, A0570D, D0614G, P0681H, T0716I, S0982A, D1118H
Protein ID: n.a.
Gene ID: S
No. of peptides: 315 peptides - 158+157 (15mers with 11 aa overlap)
Amount: 25 µg (approx. 15 nmol) / peptide (for stimulation of up to 2,5 x 10⁸ cells)
Length: 1270 aa

Sequence:

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MFVFLVLLPL VSSQCVNLTT RTQLPPAYTN SFTRGVYYPD KVFRSSVLHS TQDLFLPFFS
NVTWFHAISG TNGTKRFDNP VLPFNDGVYF ASTEKSNIIR GWIFGTTLDS KTQSLIVNN
ATNVVIKVC E FQFCNDPFLG VYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ
GNFKNLREFV FKNIDGYFKI YSKHTPINLV RDLPGQFSAL EPLVDLPIGI NITRFQTLA
LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYKNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW NRKRISNCVA
DYSVLYNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVRQIAPG QTGKIADYNY
KLPDDFTGCV IAWNSNNLDS KVGGNYNLY RLFKSNLKP FERDISTEYIY QAGSTPCNGV
EGFNCYFPLQ SYGFQPTYGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF
NGLTGTGVL T ESNKKFLPFQ QFGRDIDDT DAVRDPQTL E ILDTPCSF G GVSVITPGTN
TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EHVNNSYECD
IPIGAGICAS YQTQTNSHRR ARSVASQSI I AYTM SLGAEN SVAYSNN SIA IPINF TISVT
TEILPVSM T K TSV DCTMYIC GDS TECSNLL LQYGSFCTQL NRALTGI AVE QDKNTQEVFA
QVKQIYKTPP IKDFGGFNFS QILPDP SKPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD
IAARDLICAQ KFNGLTVLPP LLTDEMIAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA
YRFNGIGVTQ NVLYENQKLI ANQFNSAIGK IQDLSSTAS ALGKLQDVVN QNAQALNTLV
KQLSSNFGAI SSVLNDILAR LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN
LAATKMSECV LGQSKRVDFC GKGYHLMSFP QSAPHGVVFL HVTYVPAQEK NFTTAPAICH
DGKAHFPREG VFVSNGTHWF VTQRNFYEPQ IITTHNTFVS GNCDVVIGIV NNTVYDPLQP
ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVUNIQKEI DRLNEVAKNL NESLIDLQEL
GKYEQYIKWP WYIWLGF IAG LIAIVMVTIM LCCMTSCCSC LKGCCSCGSC CKFDEDDSEP
VLKGVKLLHYT
  
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Purity: Research Plus Grade: each peptide is guaranteed to be main product (HPLC/MS)
Appearance: white to off-white lyophilisate
Cytotoxicity: No cytotoxic effects in resazurin-based cell viability assays with Jurkat cells.
Remark: The peptides of this product are supplied as freeze-dried trifluoroacetate salts. For research use only.
Storage conditions: Store at - 20°C
Application protocol: <https://jpt.com/support-contact/resources/application-protocols/>

Use recommended within 6 months