

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike B.1.351 / Beta)
Product code: PM-SARS2-SMUT02-1
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-Related Coronavirus 2)
 (Lineage B.1.351, Beta Variant)
 Spike glycoprotein - contains mutations D0080A, D0215G, L0242-, A0243-, L0244-, K0417N, E0484K, N0501Y, D614G, A0701V
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
NVTWFHAIHV SGTNGTKRFA NPVLPFNDGV YFASTEKSNI IRGWIFGTTL DSKTQSLLIIV
NNATNVVIKV CEFQFCNDPF LGVYHKNNK SWMESEFRVY SSANNCTFEY VSQPFLMDLE
GKQGNFKNLR EFVFKNIDGY FKIYSKHTPI NLVRGLPQGF SALEPLVDLP IGINITRFQT
LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYKNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW NRKRISNCVA
DYSVLYNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVRQIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNNLDS KVGGNYNLY RLFKSNLKP FERDISTEYIY QAGSTPCNGV
KGFNCYFPLQ SYGFQPTYGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF
NGLTGTGVL T ESNKKFLPFQ QFGRDIADTT DAVRDPQTL E ILDTPCSF G GVSVITPGTN
TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EHVNNSYECD
IPIGAGICAS YQTQNSPRR ARSVASQSI I AYTM SLGVEN SVAYSNN SIA IPTNFTISVT
TEILPVSMTK TSV DCTMYIC GDSTEC SNLL LQYGSFCTQL NRALTG IAVE QDKNTQEVFA
QVKQIYKTPP IKDFGGFNFS QILPDP SKPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD
IAARDLICAQ KFNGLTVLPP LLTDEMIAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA
YRFNGIGVTQ NVLYENQKLI ANQFNSAIGK IQDSL SSTAS ALGKLQDVVN QNAQALNTLV
KQLSSNFGAI SSVLNDILSR LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN
LAATKMSECV LGQSKRVDFC GKGYHLMSFP QSAPHGVVFL HVTYVPAQEK NFTTAPAICH
DGKAHFPREG VFVSN GTHWF VTQRNFYEPQ IITTDNTEFVS GNCDVVIGIV NNTVYDPLQP
ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASV VNIQKEI 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