

Product Data Sheet

Product:	Epitope Mapping Peptide Set (EMPS) HCoV-229E (Spike Glycoprotein)
Product code:	EMPS-229E-S-1
Content:	50 Matrix Pools according to the matrix indicated in annotations. Each peptide is present in two different pools. 291 individual overlapping peptides spanning the whole antigen.
Source:	Human coronavirus (HCoV) Spike glycoprotein
Protein ID:	P15423, release 2019_12
Gene ID:	S
No. of peptides:	291 peptides
Amount:	Approx. 5 ug / peptide as individual peptide and in matrix pools
Length:	1173 aa

Sequence:

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MFVLLVAYAL LHIAGCQTTN GLNTSYSVCN GCVGYSENVF AVESGGYIPS DFAFNWFLFL
TNTSSVVDGV VRSFQPLLLN CLWSVSGLRF TTGFVYFNGT GRGDCKGFSS DVLSDVIRYN
LNFEENLRRG TILFKTSYGV VVFYCTNNTL VSGDAHIFPG TVLGNFYCFV NTTIGNETTS
AFV GALPKTV REFVISRTGH FYINGYRYFT LGNVEAVNFN VTTAETTDFC TVALASYADV
LVNVSQTSIA NI IYCNVIN RLRCDQLSFD VPDGFYSTSP IQSVELPVS I VSLPVYHKHT
FIVLYVDFKP QSGGKCFNC YPAGVNITLA NFNETKGPLC VDTSHFTTKY VAVYANVGRW
SASINTGNCP FSFGKVN NFV KFGSVCFSLK DIPGGCAMP I VANWAYS KY TIGSLYVSW S
DGDGITGVPQ PVEGVSSF MN VTLDKCTKYN IYDVSGV GVI RVSNDTFLNG I TYTSTSGNL
LGFKDVTKGT IYSITPCNPP DQLVVYQQAV VGAM LSENF T SYGF SNVVEL PKFFYASNGT
YNCTDAVLTY SSFGVCADGS I IAVQPRNVS YDSVSAIVTA NLSIPSNWTT SVQVEYLQIT
STPIVVDCST YVCNGNVRCV ELLKQYTSAC KTIEDALRNS ARLESADVSE MLTFDKKAFT
LANVSSFGDY NLSSVIPSLP TSGSRVAGRS AIEDILFSKL VTSGLGTVDA DYKKCTKGLS
IADLACAQYY NGIMVLPGVA DAERMAMYTG SLIGGIALGG LTSAVSIPFS LAIQARLN YV
ALQTDVLQEN QKILAASFNK AMTNIVDAFT GVNDAITQTS QALQTVATAL NKIQDVVNQQ
GNSLNHLTSQ LRQNFQAISS SIQAIYDRLD TIQADQQVDR LITGRLAALN VVVSHTLTKY
TEVRASRQLA QQKVN ECVKS QSKRYGFCGN GTHIFSIVNA APEGLVFLHT VLLPTQYKDV
EAWSGLCVDG TNGYVLRQPN LALYKEGNY RITSRIMFEP RIPTMADFVQ IENCNVTFVN
ISRSELQTIV PEYIDVNKTL QELSYKLPNY TVPDLVVEQY NQTILNLTSE ISTLENKSAE
LNYTVQKLQT LIDNINSTLV DLKWLNRVET YIKWPWWVWL CISVVLIFV V SMLLLCCS T
GCCGFFSCFA SSIRGCCEST KLPYYDVEKI HIQ

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Purity:	crude (major peak by LC-MS is guaranteed to be peptide of interest for each peptide)
Remark:	The peptides of this product are supplied as trifluoroacetate salts.
Storage conditions:	Store at -20°C
Application protocol:	https://jpt.com/support-contact/resources/application-protocols/

Use recommended within 6 months