

Rev01
Update: Dec,28,2022

DATASHEET

SARS-CoV-2 ORF8

Cat. No.: RP30017CN

Overview

| | |
|--------------------|---|
| Description | This pool includes 28 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Non-structural protein 8 (Protein ID: P0DTC8) of SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) for T cell assays (e.g. ELISPOT). |
| Sequence | MKFLVFLGIITVAAFHQECSLQSQCTQHQPYYVDDPCPIHFYSKWYIRVGARKSAPLIELCVDEAGSKS PIQYIDIGNYTVSCLPFTINCQEPKLGSLVVRCSFYEDFLEYHDVRVWLDFI |

Properties

| | |
|-------------------|---|
| Purity | Crude |
| Solubility | Dissolve in a minimum amount of pure DMSO (approx. 40 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 |

Applications

T-cell assays, Immune monitoring, Antigen specific T-cell stimulation, T-cell expansion, Cellular immune response

Sequence (one-letter-code)

| Code | Sequence | Code | Sequence |
|------------|-------------------|------------|-------------------|
| peptide_1 | MKFLVFLGIITTVAA | peptide_2 | VFLGIITTVAAAFHQE |
| peptide_3 | IITTVAAAFHQECSLQ | peptide_4 | VAAAFHQECSLQSQCTQ |
| peptide_5 | HQECSLQSQCTQHQPYP | peptide_6 | SLQSQCTQHQPYPVWDD |
| peptide_7 | CTQHQPYPVWDDPCPI | peptide_8 | QPYPVWDDPCPIHFYS |
| peptide_9 | VDDPCPIHFYSKWYI | peptide_10 | CPIHFYSKWYIRVGA |
| peptide_11 | FYSKWYIRVGARKSA | peptide_12 | WYIRVGARKSAPLIE |
| peptide_13 | VGARKSAPLIELCVD | peptide_14 | KSAPLIELCVDEAGS |
| peptide_15 | LIELCVDEAGSKSPI | peptide_16 | CVDEAGSKSPIQYID |
| peptide_17 | AGSKSPIQYIDIGNY | peptide_18 | SPIQYIDIGNYTVSC |
| peptide_19 | YIDIGNYTVSCLPFT | peptide_20 | GNYTVSCLPFTINCQ |
| peptide_21 | VSCLPFTINCQEPKL | peptide_22 | PFTINCQEPKLGSLV |
| peptide_23 | NCQEPKLGSLVWRCS | peptide_24 | PKLGSLVWRCSFYED |
| peptide_25 | SLVWRCSFYEDFLEY | peptide_26 | RCSFYEDFLEYHDVR |
| peptide_27 | YEDFLEYHDVRVWLD | peptide_28 | LEYHDVRVWLDIFI |