

SARS-CoV-2 (VME1) Peptide Pool

SARS-CoV-2 (VME1) peptide pool for immune cell activation

Catalog #100-0648

1 Unit

~25 µg (15 nmol)/peptide

Product Description

SARS-CoV-2 (VME1) Peptide Pool is a lyophilized mixture of 53 peptides from the SARS-CoV-2 membrane protein VME1. VME1 is a structural protein that is common to all coronaviruses, and it plays a critical role in viral assembly (Yin). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 222 on VME1. One unit of this product (i.e. ~25 µg/peptide) is sufficient for stimulating 2.5×10^8 cells.

Product Information

Amino Acid Sequence:	MADSNGTITVEELKKLLEQWNLVIGFLFTWICLLQFAYANRRNRFYIIKLIFLWLLWPVTLACFVLAAYRIN WITGGIAIAMACLVLGMWLSYFIASFRLFARTRSMWSFNPETNILLNVPLHGTILTRPILLESELVIGAVILRGHLR IAGHHLGRCDIKDLPKEITVATSRTLSTYKLGASQRVAGDSGFAAYSRYRIGNYKLNLDHSSSSDNIALLVQ
Product Formulation:	Lyophilized as trifluoroacetate salts
Source:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)
Number of Peptides:	53
Protein ID:	P0DTC5
Protein Name:	Membrane protein, M protein
Gene Name:	VME1, M
Purity:	Average 70%

Preparation and Storage

Stability and Storage:	Store at -20°C. Stable as supplied until expiry date (EXP) on label.
Preparation:	Warm to room temperature (15 - 25°C) before reconstitution. Add pure dimethyl sulfoxide (DMSO; ~40 µL) and dilute with water to the desired concentration. Final concentration of DMSO must be below 1% (v/v) to avoid toxicity in the biological system. If not used immediately, aliquot and store at -20°C. Protect from light. Avoid repeated freeze-thaw cycles.

Related Products

For a complete list of cytokines or peptide pools, as well as related products available from STEMCELL Technologies, visit www.stemcell.com/cytokines or contact us at techsupport@stemcell.com.

References

Yin C. (2020) Genotyping coronavirus SARS-CoV-2: methods and implications. *Genomics* 112(5): 3588–96.

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