

# SARS-CoV-2 (VME1) Peptide Pool

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

Catalog #100-0648

~25 µg/peptide



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## Product Description

The 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.

## Product Information

Number of Peptides:	53
Source:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)
Protein ID:	PODTC5 (Swiss-Prot)
Protein Name:	Membrane protein; M protein
Protein Sequence:	MADSNGTITVEELKKLLEQWNLVIGFLFLTWICLLQFAYANRNRFLYIIKLIFLWLLWPVTLACFVLAAYRINWITGGIA IAMAACLVLMLWSYFIASFRLFARTRSMWSFNPETNILLNVPLHGTILTRPPLLESELVIGAVILRGHLRIAGHHLGRCDI KDLPEITVATSRTLSYYKLGASQVRVAGDSGFAAYSRYRIGNYKLNTDHSSSSDNIALLVQ
Gene Name:	VME1; M
Purity:	Average 70%
Formulation:	Lyophilized as trifluoroacetate salts

## Preparation and Storage

Storage:	Store at -20°C.
Stability:	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. After thawing aliquots, do not re-freeze.

## Related Products

For a complete list of peptide pools, as well as related products available from STEMCELL Technologies, visit [www.stemcell.com](http://www.stemcell.com) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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

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