

# SARS-CoV-2 (Y14) Peptide Pool

## SARS-CoV-2 (Y14) peptide pool for immune cell activation

Catalog #100-0667

~25 µg/peptide



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## Product Description

The SARS-CoV-2 (Y14) Peptide Pool is a lyophilized mixture of 16 peptides from uncharacterized protein 14 (Y14) of SARS-CoV-2. SARS-CoV-2 Y14 is a transmembrane protein that may play a role in host-virus interactions (Baruah et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 73 on Y14.

## Product Information

Number of Peptides:	16
Source:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)
Protein ID:	PODTD3 (Swiss-Prot)
Protein Name:	Uncharacterized protein 14; Y14
Protein Sequence:	MLQSCYNFLKEQHCQKASTQKGAEAAVKPLLVPHHVWATVQEIQQAAVGELLLEWLAMAVMLLLLCCCLTD
Gene Name:	Y14
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

Baruah C et al. (2020) Sequence analysis and structure prediction of SARS-CoV-2 accessory proteins 9b and ORF14: Evolutionary analysis indicates close relatedness to bat coronavirus. ChemRxiv. Epub ahead of print, DOI: 10.26434/chemrxiv.12424958.

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