

HPV18 (L1) Peptide Pool

Human papillomavirus 18 (L1) peptide pool for immune cell activation

Catalog #100-1396

~25 µg (15 nmol)/peptide



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

HPV18 (L1) Peptide Pool is a lyophilized mixture of 140 peptides from major capsid protein L1 of human papillomavirus type 18 (HPV18). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 568 on L1. L1 enters the nuclei of host cells and can assemble into virus-like particles (Stauffer et al.). One unit of this product (i.e. 25 µg/peptide) is sufficient for stimulating 2.5×10^8 cells.

APPLICATIONS

- Antigen-specific T cell stimulation
- Immune monitoring
- T cell assays
- T cell expansion

Product Information

Number of Peptides:	140
Source:	Human papillomavirus type 18
Accession Number:	P06794
Protein Name:	Major capsid protein L1
Protein Sequence:	MCLYTRVLILHYHLLPLYGPLYHPRPLPLHSILVYMHIIICGHYIILFLRNVNVFPIFLQMALWRPSDNTVYLPPPSVAR VVNTDDYVTPTSIFYHAGSSRLTVGNPYFRVPAGGGNKQDIPKVSAYQYRVFRVQLPDPNKFGLPDTSIYNPETQR LWWACAGVEIGRGQPLGVLSGHPFYNNKLDDESSHAATSNVSEDVRDNVSDYKQTQLCILGCAPAIGEHWAK GTACKSRPLSQGDCPPELKNVTLEDGDMVDTGYGAMDFSTLQDTKCEVPLDICQSICKYPDYQLMSADPYGDS MFFCLRREQLFARHFWRNAGTMGDTVPQSLYIKGTGMPASPGSCVYSPSPSGSIVTSDSQLFNKPYWLHKAQGH NNGVCWHNQLFVTVDTPSTNLTICASTQSPVPGQYDATKFKQYSRHEEYDLQFIFQLCTITLTADVMSYIHSNM SSILEDWNFGVPPPTTSLVDYRFVQSVAITCQKDAAPAKNDPYDKLKFVNVDLKEKFSLDLDQYPLGRKFLVQ AGLRRKPTIGPRKRSAPSATTSSKPAKRVRVRARK
Gene Name:	L1
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. Avoid repeated freeze-thaw cycles.

Related Products

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

References

Stauffer Y et al. (1998) Infectious human papillomavirus type 18 pseudovirions. J Mol Biol 283(3): 529–36.

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