

EBV (LMP2) Peptide Pool

Epstein-Barr virus (LMP2) peptide pool for immune cell activation

Catalog #100-0671

~25 µg/peptide



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Product Description

The EBV (LMP2) Peptide Pool is a lyophilized mixture of 122 peptides from latent membrane protein 2 (LMP2) of Epstein-Barr virus (EBV; strain B95-8). LMP2 is expressed in EBV latency, as well as in EBV-associated pathologies (Lee et al.; Longnecker) and it blocks reactivation of EBV from latency (Miller et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 497 on LMP2.

Product Information

Number of Peptides:	122
Source:	Epstein-Barr virus (strain B95-8)
Protein ID:	P13285 (Swiss-Prot)
Protein Name:	Latent membrane protein 2 (LMP2)
Protein Sequence:	MGSLEMVPMGAGPPSPGGDPDGYDGGNNSQYPSASGSSGNTPTPPNDEERESNEEPPPPYEDPYWGNDRHSD YQPLGTQDQSLYLGLQHDGNDGLPPPPYSPRDDSSQHIYEEAGRGSMPVCLPVIVAPYLFWLAAIAASCFTASVST VVTATGLALSLLLLAAVASSYAAAQRKLLTPVTVLTAVVTFFAICLTWRIEDPPFNLLFALLAAAGGLQGIYVLVMLVL LILAYRRRWRRRLTVCGGIMFLACVLVLIIVDAVLQLSPLLGAVTVVSMTELLLLAFVLWLSPPGGLGTLGAALLTLAAALA LLASLILGTLNLTTMFLMLLWTLVLLICSSCSCSPLSKILLARLFYALALLLASALIAGGSILQTNFKSLSTEFIPNL FCMLLLIVAGILFILAILTEWGSNGRNTYGPVFMCLGGLLTMVAGAVWLTVMSTNLLSAWILTAGFLIFLIGFALFGVIRC CRYCCYYCLTLESEERPPTPYRNTV
Gene Name:	LMP2
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 or contact us at techsupport@stemcell.com.

References

- Lee M-A et al. (1999) Genetic evidence that EBNA-1 is needed for efficient, stable latent infection by Epstein-Barr virus. *J Virol* 73(4): 2974–82.
- Longnecker R. (2000) Epstein-Barr virus latency: LMP2, a regulator or means for Epstein-Barr virus persistence. *Adv Cancer Res* 79: 175–200.
- Miller CL et al. (1994) An integral membrane protein (LMP2) blocks reactivation of Epstein-Barr virus from latency following surface immunoglobulin crosslinking. *Proc Natl Acad Sci USA* 91(2): 772–6.

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