

EBV (EBNA-1) Peptide Pool

Epstein-Barr virus (EBNA-1) peptide pool for immune cell activation

Catalog #100-0669

~25 µg/peptide



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Product Description

The EBV (EBNA-1) Peptide Pool is a lyophilized mixture of 158 peptides from Epstein-Barr nuclear antigen 1 (EBNA-1) of Epstein-Barr virus (EBV; strain B95-8). EBNA-1 plays a critical role in the stable latent infection by EBV (Saridakis et al.) and may contribute to the survival of EBV-infected cells through its interaction with ubiquitin carboxyl-terminal hydrolase 7 (USP7) (Lee et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 641 on EBNA-1.

Product Information

Number of Peptides:	158
Source:	Epstein-Barr virus (strain B95-8)
Protein ID:	P03211 (Swiss-Prot)
Protein Name:	Epstein-Barr nuclear antigen 1 (EBNA-1)
Protein Sequence:	MSDEGPGTGPNGNLGEKGDTSGPEGSGGSGPQRRGGDNHGRGRGRGRGRGGRRPGAPGGSGSGPRHRDGV RRPQKRPSICIGCKGTHGGTGAGAGAGGAGAGAGAGGGAGAGGGAGAGGGAGGAGGAGAGGGAGAGGGAGG AGGAGAGGGAGAGGGAGGAGAGGGAGGAGAGGGAGAGGGAGGAGAGGGAGGAGAGGGAGGAGAGGGAGA GGAGGAGGAGAGGAGAGGGAGGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGGAGAGGGAGA GGGAGGAGAGGGAGGAGAGGAGGAGAGGAGAGGAGAGGGAGAGGAGAGGGAGAGGGRRGRGGSGGR GRGGSGGRGRGGSGRRGRGRERARGGSRERARGRGRGRGEKRPRSPSSQSSSSGSPRRPPPPGRRPFFHPV GEADYFEYHQEGGPDGEPDVPVGAIEQGPADDPGEGPSTGPRGQDGGRRKKGWFGKHRGQGGSNPKFENI AEGLRALLARSHVERTTDEGTWVAGVFVYGGSKTSLYNLRRGTALAIQCRILTPLSRLPFGMAPGPGPQPGLRESI VCYFMVFLQTHIFAEVLKDAIKDLVMTKPAPTCNIRVTVCSFDDGVDLPPWFPPMVEGAAAEGDDGDDGDEGGDG DEGEEGQE
Gene Name:	EBNA-1
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.
- Saridakis V et al. (2005) Structure of the p53 binding domain of HAUSP/USP7 bound to Epstein-Barr nuclear antigen 1: Implications for EBV-mediated immortalization. *Mol Cell* 18(1): 25–36.

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