

CEF (HLA Class I Control) Peptide Pool

CEF (cytomegalovirus, Epstein-Barr virus, and influenza virus) control peptide pool for immune cell activation

Catalog #100-0675

~25 µg/peptide



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

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

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Product Description

The CEF (HLA Class I Control) Peptide Pool is a lyophilized mixture of 32 peptides from cytomegalovirus (CMV), Epstein-Barr virus (EBV), and influenza virus. The pool consists of defined HLA class I-restricted T cell epitopes from these three viruses, and can be used as a positive control to stimulate T cells.

Product Information

Number of Peptides:	32
Source:	Cytomegalovirus, Epstein-Barr virus, and influenza virus
Purity:	≥ 95%
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.

Peptide Sequences

NO.	SEQUENCE	LENGTH	C-TERMINUS	SOURCE	
1	VSDGGPNLY	9	-COOH	A1 Influenza A	HLA-A1
2	CTELKLSDY	9	-COOH	Influenza A	HLA-A1
3	GILGFVFTL	9	-COOH	A2 Influenza M	HLA-A2
4	FMYSDFHFI	9	-COOH	A2 Influenza A	HLA-A2
5	CLGGLLTMV	9	-COOH	EBV LMP2A	HLA-A2
6	GLCTLVAML	9	-COOH	EBV BMLF1	HLA-A2
7	NLVPMVATV	9	-COOH	A0201 HCMV pp65	HLA-A2
8	KTGGPIYKR	9	-COOH	AA68 Influenza NP	HLA-A3
9	RVLSEIKGTK	10	-COOH	Influenza NP	HLA-A3
10	ILRGSVAHK	9	-COOH	Influenza A	HLA-A3
11	RVRAYTYSK	9	-COOH	EBV	HLA-A3
12	RLRAEAQVK	9	-COOH	EBV	HLA-A3

NO.	SEQUENCE	LENGTH	C-TERMINUS	SOURCE	
13	SIIPSGPLK	9	-COOH	Influenza M	HLA-A3/A11/A6
14	AVFDRKSDAK	10	-COOH	EBV EBNA 4NP	HLA-A11
15	IVTDFSVIK	9	-COOH	EBV	HLA-A11
16	ATIGTAMYK	9	-COOH	EBV	HLA-A11
17	DYCNVLNKEF	10	-COOH	A24 EBV RTA	HLA-A24
18	LFPDKTTVM	9	-COOH	Influenza NP	HLA-B7
19	RPIFIRRL	9	-COOH	EBV	HLA-B7
20	ELRSRYWAI	9	-COOH	B8 Influenza NP	HLA-B8
21	RAKFKQLL	8	-COOH	EBV BZLF-1	HLA-B8
22	FLRGRAYGL	9	-COOH	EBV EBNA 3A	HLA-B8
23	QAKWRLQTL	9	-COOH	EBV EBNA 3	HLA-B8
24	SDEEEAIVAYTL	12	-COOH	HCMV	HLA-B18
25	SRYWAIRTR	9	-COOH	B27 Influenza NP	HLA-B27
26	ASCMGLIY	8	-COOH	Influenza A	HLA-B27
27	RRIYDLIEL	9	-COOH	EBV EBNA 3C	HLA-B27
28	YPLHEQHGM	9	-COOH	B35 EBV EBNA3A	HLA-B35
29	IPSINVHHY	9	-COOH	CMV pp65	HLA-B35
30	EENLLDFVRF	10	-COOH	B44 EBV	HLA-B44
31	EFFWDANDIY	10	-COOH	HCMV	HLA-B44
32	TPRVTGGGAM	10	-COOH	B0702 HCMV	HLA-B7

Related Products

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