

## 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

1 Unit

~25 µg (15 nmol)/peptide

### Product Description

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. One unit of this product (i.e. ~25 µg/peptide) is sufficient for stimulating  $2.5 \times 10^8$  cells.

### Product Information

<b>Product Formulation:</b>	Lyophilized as trifluoroacetate salts
<b>Source:</b>	Cytomegalovirus, Epstein-Barr virus, and influenza virus
<b>Number of Peptides:</b>	32
<b>Purity:</b>	≥ 95%

### Preparation and Storage

**Stability and Storage:** Store at -20°C. 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.

### Peptide Sequence

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	Influenza A HLA-A1
4	FMYSDFHFI	9	-COOH	A2 Influenza A HLA-A2

No.	Sequence	Length	C-Terminus	Source
5	CLGGLTMV	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	RVLSFIKGTK	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
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	LPFDKTTVM	9	-COOH	Influenza NP HLA-B7
19	RPPIFIRRL	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

## CEF (HLA Class I Control) Peptide Pool

No.	Sequence	Length	C-Terminus	Source
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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