

Influenza (HLA Class I Control) Peptide Pool

Influenza control peptide pool for immune cell activation

Catalog #100-0672

1 Unit

~25 µg (15 nmol)/peptide

Product Description

Influenza (HLA Class I Control) Peptide Pool is a lyophilized mixture of 17 peptides from the influenza virus. The pool consists of defined HLA class I-restricted T cell epitopes, and can be used as an antigen-specific positive control to stimulate T cells. One unit of this product (i.e. ~25 µg/peptide) is sufficient for stimulating 2.5×10^8 cells.

Product Information

Product Formulation: Lyophilized as trifluoroacetate salt

Source: Influenza virus

Number of Peptides: 17

Purity: ≥ 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	ILGFVFTLTV	10	-COOH	Influenza A MP 59-68 HLA-A*02:01
2	ILRGSAVHK	9	-COOH	Influenza A (PR8) NP 265-274 HLA-A*03:01
3	KSMREEYRK	9	-COOH	Influenza A MP2 70-78 HLA-A*11:01
4	RMVLASTTAK	10	-COOH	Influenza A MP1 178-187 HLA-A*11:01
5	QPEWFRNVL	9	-COOH	Influenza A PB1 329-337 HLA-A*07:02

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No.	Sequence	Length	C-Terminus	Source
6	SPIVPSFDM	9	-COOH	Influenza A NP 473-481 HLA-A*07:02
7	CTELKLSDY	9	-COOH	Influenza A NP 44-52 HLA-A*01:01
8	VSDGGPNLY	9	-COOH	Influenza A PB1 591-599 HLA-A*01:01
9	FMYSDFHFI	9	-COOH	Influenza Virus PA 46-54 HLA-A*02:01
10	GILGFVFTL	9	-COOH	Influenza MP 58-66 HLA-A*02:01
11	RVLSFIKGTK	10	-COOH	Influenza Virus NP 342- 351 HLA-A*03:01 HLA-A*31:01 HLA-A*33:01
12	SIIPSGPLK	9	-COOH	Influenza A MP 13-21 HLA-A*11:01 HLA-A*03:01 HLA-A*31:01 HLA-A*68:01
13	KTGGPIYKR	9	-COOH	Influenza Virus NP 91-99 HLA-A*68:01
14	ASCMGLIY	8	-COOH	Influenza Virus M1 128-135 HLA-B27 HLA-B35
15	SRYWAIRTR	9	-COOH	Influenza A NP 383-391 HLA-A*27:05
16	LPFDKTTVM	9	-COOH	Influenza NP 418-426 HLA-B*07:02
17	ELRSRYWAI	9	-COOH	Influenza Virus NP 380-388 HLA-B8

Related Products

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

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