

# Influenza (HLA Class I Control) Peptide Pool

## Influenza control peptide pool for immune cell activation

Catalog #100-0672

~25 µg/peptide



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## 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.

## Product Information

Number of Peptides:	17
Source:	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	ILGFVFTLTV	10	-COOH	Influenza A MP 59-68	HLA-A*02:01
2	ILRGVAHK	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
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

NO.	SEQUENCE	LENGTH	C-TERMINUS	SOURCE	
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

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