

# RSV (HLA Class I Control) Peptide Pool

## Respiratory syncytial virus (RSV) control peptide pool for immune cell activation

Catalog #100-0674

~25 µg/peptide



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## Product Description

The RSV (HLA Class I Control) Peptide Pool is a lyophilized mixture of 28 peptides from respiratory syncytial virus (RSV). 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:	28
Source:	Respiratory syncytial 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	RELPRFMNYT	10	-COOH	RSV (A2) fusion glycoprotein F0 precursor 109-118	HLA-A*01:01
2	YLEKESIYY	9	-COOH	RSV MP 229-237	HLA-A*01:01
3	AITTLAAV	9	-COOH	RSV Fusion protein 10-18	HLA-A*02:02
4	ALLSTNKAV	9	-COOH	RSV Fusion protein 170-178	HLA-A*02:01
5	ELDKYKNAV	9	-COOH	RSV Fusion protein 82-90	HLA-A*02:01
6	FLLGVGSAI	9	-COOH	RSV Fusion protein 140-148	HLA-A*02:01
7	FMNYTLNNT	9	-COOH	RSV Fusion protein 114-122	HLA-A*02:01
8	HLEGEVNKI	9	-COOH	RSV Fusion protein 159-167	HLA-A*02:01
9	KIMTSKTDV	9	-COOH	RSV Fusion protein 394-402	HLA-A*02:01
10	KINQSLAFI	9	-COOH	RSV Fusion protein 498-506	HLA-A*02:01
11	KLMSNNVQI	9	-COOH	RSV Fusion protein 272-280	HLA-A*02:01
12	KMLKEMGEV	9	-COOH	RSV NP 137-145	HLA-A*02:01
13	KVLDLKNYI	9	-COOH	RSV Fusion protein 191-199	HLA-A*02:01
14	LLSLIAVGL	9	-COOH	RSV Fusion protein 538-546	HLA-A*02:01
15	LLSTNKAVV	9	-COOH	RSV Fusion protein 171-179	HLA-A*02:01
16	LMSNNVQIV	9	-COOH	RSV Fusion protein 273-281	HLA-A*02:01
17	QLLSSSKYT	9	-COOH	RSV NP 16-24	HLA-A*02:01
18	SLIAVGLLL	9	-COOH	RSV Fusion protein 540-548	HLA-A*02:01
19	SLSNGVSVL	9	-COOH	RSV Fusion protein 180-188	HLA-A*02:01

NO.	SEQUENCE	LENGTH	C-TERMINUS	SOURCE	
20	STNKAVVSL	9	-COOH	RSV Fusion protein 173-181	HLA-A*02:01
21	SVGNTLYYV	9	-COOH	RSV Fusion protein 451-459	HLA-A*02:01
22	YMLTNSSELL	9	-COOH	RSV Fusion protein 250-258	HLA-A*02:01
23	RLPADVLKK	9	-COOH	RSV MP2 151-159	HLA-A*03:01
24	NPKASLLSL	9	-COOH	RSV NP 306-314	HLA-B*07:02
25	QVMLRWGVL	9	-COOH	RSV NP 255-263	HLA-B*08:01
26	AELDRTEEY	9	-COOH	RSV MP2 64-72	HLA-B44
27	RARRELPRF	9	-COOH	RSV Fusion glycoprotein F0 precursor 106-114	HLA-B57
28	IAVGLLLYC	9	-COOH	RSV Fusion glycoprotein F0 precursor 542-550	HLA-Cw12

## Related Products

For a complete list of peptide pools, as well as related products available from STEMCELL Technologies, visit [www.stemcell.com](http://www.stemcell.com) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

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