

# RSV (HLA Class I Control) Peptide Pool

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

Catalog #100-0674

1 Unit

~25 µg (15 nmol)/peptide

## Product Description

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

## Product Information

**Product Formulation:** Lyophilized as trifluoroacetate salts

**Source:** Respiratory syncytial virus

**Number of Peptides:** 28

**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	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

No.	Sequence	Length	C-Terminus	Source
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	QLSSSKYT	9	-COOH	RSV NP 16-24 HLA-A*02:01
18	SLIAVGILL	9	-COOH	RSV Fusion protein 540-548 HLA-A*02:01
19	SLSNGVSVL	9	-COOH	RSV Fusion protein 180-188 HLA-A*02:01
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	YMLTNSELL	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

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