

EBV (HLA Class I Control) Peptide Pool

Epstein-Barr virus (EBV) control peptide pool for immune cell activation

Catalog #100-1391

~25 µg (15 nmol)/peptide



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Product Description

EBV (HLA Class I Control) Peptide Pool is a lyophilized mixture of 26 peptides from Epstein-Barr virus (EBV). 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

Number of Peptides:	26
Source:	Epstein-Barr 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. Avoid repeated freeze-thaw cycles.

Peptide Sequences

NO.	SEQUENCE	LENGTH	SOURCE	
1	CLGGLTMMV	9	EBV LMP2 426 - 434	HLA-A*02:01
2	GLCTLVAML	9	EBV BMLF1 280 - 288	HLA-A*02:01
3	FLDKGTYTL	9	EBV BALF4 276 - 284	HLA-A*02:01
4	FLYALALLL	9	EBV LMP2 356 - 364	HLA-A*02:01
5	YLLEMLWRL	9	EBV LMP1 125 - 133	HLA-A*02:01
6	RVRAYTYSK	9	EBV BRLF1 148 - 156	HLA-A*03:01
7	RLRAEAQVK	9	EBV EBNA-3A 603 - 611	HLA-A*03:01
8	ATIGTAMYK	9	EBV BRLF1 134 - 142	HLA-A*11:01
9	AVFDRKSDAK	10	EBV EBNA-3B 399 - 408	HLA-A*11:01
10	IVTDFSVIK	9	EBV EBNA-3B 416 - 424	HLA-A*11:01 HLA-A*68:01
11	SSCSCPLSK	10	EBV LMP2 340 - 349	HLA-A*11:01

NO.	SEQUENCE	LENGTH	SOURCE	
12	DYCNVLNKEF	10	EBV BRLF1 28 - 37	HLA-A*24:02
13	PYLFWLAAI	9	EBV LMP2 131 - 139	HLA-A*24:02
14	TYGPVFMCL	9	EBV LMP2 419 - 427	HLA-A*24:02
15	TYGPVFMSL	9	EBV LMP2 419 - 427	HLA-A*24:02
16	RPPIFIRRL	9	EBV EBNA-3A 247 - 255	HLA-B*07:02
17	QRPAPIRPI	9	EBV EBNA-3C 881 - 889	HLA-B*07:02
18	FLRGRAYGL	9	EBV EBNA-3A 325 - 333	HLA-B*08:01
19	RAKFKQLL	8	EBV BZLF1 190 - 197	HLA-B*08:01
20	RRIYDLIEL	9	EBV EBNA-3C 258 - 266	HLA-B*27:02 HLA-B*27:05 HLA-B*27:04
21	YPLHEQHGM	9	EBV EBNA-3A 458 - 466	HLA-B*35:01
22	EPLPQGQLTAY	11	EBV BZLF1 54 - 64	HLA-B*35:01
23	HPVGEADYFEY	11	EBV EBNA-1 407 - 417	HLA-B*35:01
24	IEDPPFNSL	9	EBV LMP2 200 - 208	HLA-B*40:01
25	EENLLDFVRF	10	EBV EBNA-3C 281 - 290	HLA-B*44:05
26	QAKWRLQTL	9	EBV EBNA-3A 158 - 166	HLA-B*08:01

Related Products

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