

DATA SHEET: Selected MHC class II peptide pool PLUS

Catalog No.:	PA-CEFT-001
Product:	Selected MHC class II peptide pool PLUS
Formulation:	Lyophilized Remark: The filling height in between vials of the same lot varies due to the lyophilization process. This does neither alter the functionality of the product, nor are the amounts of peptides different.
Lot specific QC:	Available on request
Description:	This pool contains 23 selected MHC class II peptides (40 µg/ each) from human Cytomegalovirus, Epstein Barr virus, Influenza virus and tetanus toxin.
Recommended test concentration:	For ELISPOT we recommend the following usage: 4µg of each peptide/ml with a final volume of 100µl/well (0.4µg of each peptide/well) For other T cellular assays (e.g. cytokine flow cytometry) the optimum conditions should be tested by the customer.
Short-time storage:	+4°C
Long-time storage:	-20°C
Recommended Dissolving:	Add 20µl of pre-dissolving solution (PA-PSS-002) per vial, agitate thoroughly and fill up to 1ml with cell culture medium or PBS. Mix by vortexing three times for 1 minute (stock solution).
Working solution:	Dilute the stock solution (40µg of each Peptide/ml) 1:5 with cell culture medium to a concentration of 8 µg of each peptide/ml.
Aliquotation:	Aliquot the 8 µg of each peptide/ml solution. Freeze 50µl Aliquots (-20°C). One 50µl aliquot is sufficient to analyze 1 ELISPOT sample.

CEFT-Peptide-Pool PLUS (23x40µg)

CEFT-#	Sequence	Allel	Source	Cell Epitope	Mass [M+H] ⁺ mi:
1	FVFTLTVPSER	DR4	Influenza A	T cell	1295,699
2	SGPLKAEIAQRLEDV	DR1	Influenza A	unknown	1625,886
3	YDVDPYASLRSLVASS	DR1	Influenza A	T cell	1742,860
4	PYYTGEHAKAIGN	DR1	Influenza B	T cell	1420,686
5	GQIGNDPNRDIL	DR3, DR52c, DR52a	Tetanus	T cell	1311,665
6	PKYVKQNTLKLKLA	DRB1*0101	Influenza A	T cell	1402,842
7	PKYVKQNTLKLAT	DR4	Influenza A	T cell	1503,889
8	DRLRRDQKS	DR3	Influenza A	T cell	1173,645
9	AGLTLSELLVICSYLFISRG	DR15	EBV	T cell	2026,141
10	QYIKANSKFIGITEL	DR15, DR13, DR5, DR11, DR9, DR8, DR7, DR3	Tetanus	T cell	1724,958
11	QYIKANSKFIGITE	DR5, DR11, DRB1*1302, DRB1*1104	Tetanus	T cell	1611,874
12	FNNFTVSFVLRVPKVSASHLE	DR11, DR7, DRB1*1101, DR5, DPW2	Tetanus	T cell	2478,293
13	TSLYNLRRTALA	DR1	EBV	T cell	1435,802
14	KFIKRYTPNNEIDSF	DRB1*1104, DRB1*1101	Tetanus	T cell	1985,049
15	VSIDKFRIFCKALNPK	DRB1*1101,	Tetanus	T cell	1879,062
16	VPGLYSPCRAFFNKEELL	DRB1*0701	EBV	unknown	2083,068
17	DKREMWMACIKELH	DRB1*0801	Cytomegalovirus	T cell	1789,855
18	TGHGARTSTEPTDY	DRB3*0201	EBV	unknown	1593,714
19	KELKRQYEKKLRQ	DRB3*0201, DRB1*0301	EBV	unknown	1747,034
20	RGYFKMRTGKSSIMRS	DRB1*1001, DQA0102	Influenza A	T cell	1904,995
21	TVFYNIPPMPL	DQ2	EBV	unknown	1291,676
22	AEGLRALLARSHVER	DR4	EBV	unknown	1677,951
23	PGPLRESIVCYFMVFLQTHI	DR7	EBV	unknown	2350,209

Contained Peptides:

References:

1. Currier JR, Kuta EG, Turk E, Earhart LB, Loomis-Price L, Janetzki S, Ferrari G, Birx DL, Cox JH. A panel of MHC class I restricted viral peptides for use as a quality control for vaccine trial ELISPOT assays. J Immunol Methods 260:157-172, 2002.
2. NIH AIDS Research & Reference Reagent Program (www.aidsreagent.org/UploadDocs/9808_001.pdf)

Attention:

For research use only, not for diagnostic use! Not for use in humans.