

**S3 Table: Epitope mapping library PepLib3**

<b>Peptide nr</b>	<b>Amino acid sequence</b>
1	DDSPDLP(CML)L(CML)PDPNTLCDEF
2	<u>A</u> DDSPDLP(CML)L(CML)PDPNTLCDEF
3	D <u>A</u> SPDLP(CML)L(CML)PDPNTLCDEF
4	DD <u>A</u> PDLP(CML)L(CML)PDPNTLCDEF
5	DDSP <u>A</u> DLP(CML)L(CML)PDPNTLCDEF
6	DDSP <u>A</u> LP(CML)L(CML)PDPNTLCDEF
7	DDSPD <u>A</u> P(CML)L(CML)PDPNTLCDEF
8	DDSPD <u>L</u> A(CML)L(CML)PDPNTLCDEF
9	DDSPDLP <u>A</u> L(CML)PDPNTLCDEF
10	DDSPDLP(CML) <u>A</u> (CML)PDPNTLCDEF
11	DDSPDLP(CML)L <u>A</u> PDPNTLCDEF
12	DDSPDLP(CML)L(CML) <u>A</u> DNTLCDEF
13	DDSPDLP(CML)L(CML) <u>P</u> APNTLCDEF
14	LP(CML)L(CML)PDP
15	<u>P</u> DLP(CML)L(CML)P <u>D</u> PN
16	<u>D</u> PLP(CML)L(CML)P <u>D</u> PN
17	PL <u>D</u> P(CML)L(CML)P <u>D</u> PN
18	PLP <u>D</u> (CML)L(CML)P <u>D</u> PN
19	<u>P</u> DLP(CML)L(CML) <u>D</u> PPN
20	<u>P</u> DLP(CML)L(CML)PP <u>D</u> N
21	<u>P</u> DLP(CML)L(CML)PP <u>N</u> <u>D</u>
22	PLP <u>D</u> (CML)L(CML) <u>D</u> PPN
23	PL <u>D</u> P(CML)L(CML)P <u>D</u> PN
24	<u>P</u> DLP(CML)L(CML)PP <u>D</u> N
25	<u>D</u> PLP(CML)L(CML)PP <u>N</u> <u>D</u>
26	<u>P</u> <u>E</u> LP(CML)L(CML)P <u>D</u> PN
27	<u>P</u> <u>D</u> LP(CML)L(CML)P <u>E</u> PN
28	<u>P</u> <u>E</u> LP(CML)L(CML)P <u>E</u> PN
29	PDLP(CML) <u>A</u> (CML)PDPN
30	PDLP(CML) <u>C</u> (CML)PDPN
31	PDLP(CML) <u>D</u> (CML)PDPN
32	PDLP(CML) <u>E</u> (CML)PDPN
33	PDLP(CML) <u>F</u> (CML)PDPN
34	PDLP(CML) <u>G</u> (CML)PDPN
35	PDLP(CML) <u>H</u> (CML)PDPN
36	PDLP(CML) <u>I</u> (CML)PDPN
37	PDLP(CML) <u>K</u> (CML)PDPN
38	PDLP(CML) <u>L</u> (CML)PDPN
39	PDLP(CML) <u>M</u> (CML)PDPN
40	PDLP(CML) <u>N</u> (CML)PDPN
41	PDLP(CML) <u>P</u> (CML)PDPN
42	PDLP(CML) <u>Q</u> (CML)PDPN
43	PDLP(CML) <u>R</u> (CML)PDPN
44	PDLP(CML) <u>S</u> (CML)PDPN
45	PDLP(CML) <u>T</u> (CML)PDPN
46	PDLP(CML) <u>V</u> (CML)PDPN
47	PDLP(CML) <u>W</u> (CML)PDPN
48	PDLP(CML) <u>Y</u> (CML)PDPN

49	DDSPDLP(CML)L(CML)PD <u>A</u> N TLCDEF
50	DDSPDLP(CML)L(CML)PDP <u>A</u> TLCDEF
51	DDSPDLP(CML)L(CML)PDPN <u>A</u> L CDEF
52	DDSPDLP(CML)L(CML)PDPNT <u>A</u> CDEF
53	DDSPDLP(CML)L(CML)PDPNTL <u>A</u> DEF
54	DDSPDLP(CML)L(CML)PDPNTLC <u>A</u> EF
55	DDSPDLP(CML)L(CML)PDPNTLCDA <u>F</u>
56	DSPDLP(CML)L(CML)PDPNTLCDE
57	SPDLP(CML)L(CML)PDPNTLCD
58	PDLP(CML)L(CML)PDPNTLC
59	DLP(CML)L(CML)PDPNTL
60	P(CML)L(CML)PDPN
61	P(CML)L(CML)PDP
62	P(CML)L(CML)PD
63	P(CML)L(CML)P
64	(CML)L(CML)
65	DDSPDLP( <u>SL</u> )L( <u>SL</u> )PDPNTLCDEF
66	CML-BSA reductive amination (positive control)
67	BSA (negative control)
68	CML-IgG, reductive amination (positive control)
69	IgG (negative control)