Fig. 1

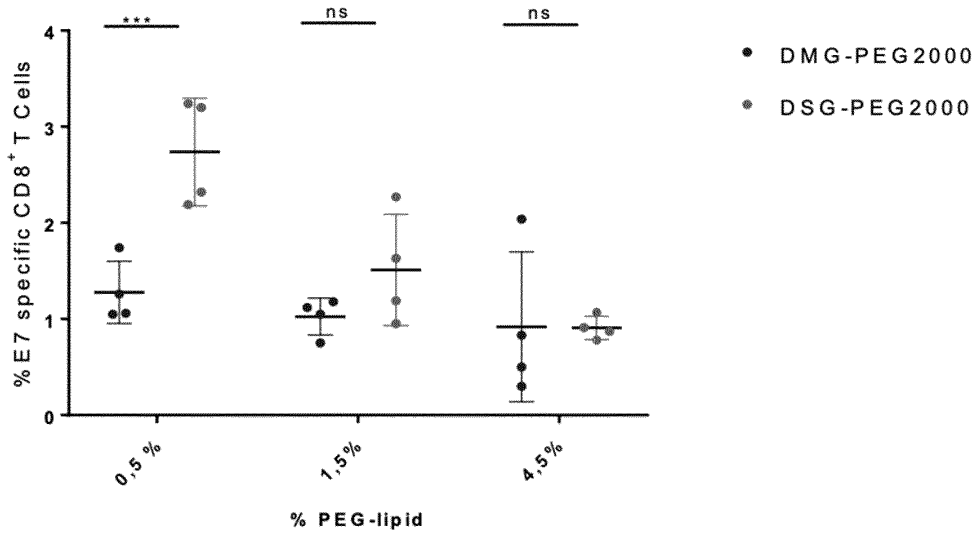

***
ns
ns
% E7 specific CD8+ T Cells
0
1
2
3
4
0,5 %
1,5%
4,5%
% PEG-lipid
DMG-PEG2000
DSG-PEG2000

Fig. 2

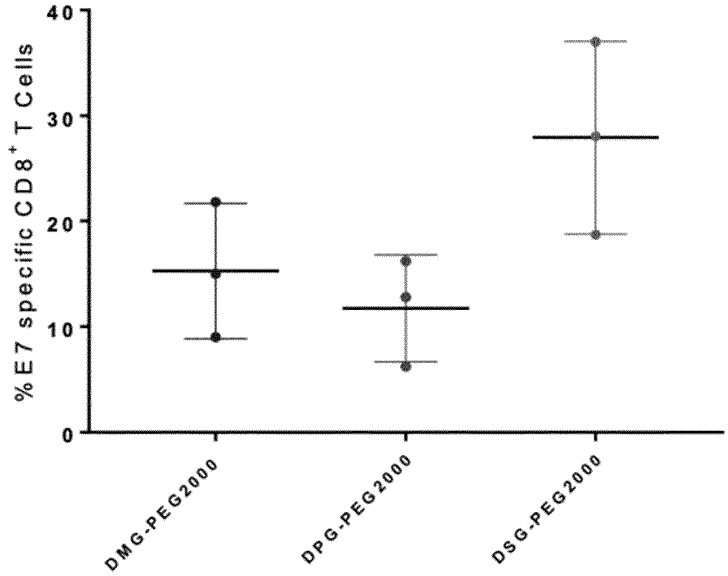

% E7 specific CD8+ T Cells
0
10
20
30
40
DMG-PEG2000
DPG-PEG2000
DSG-PEG2000

Fig. 3

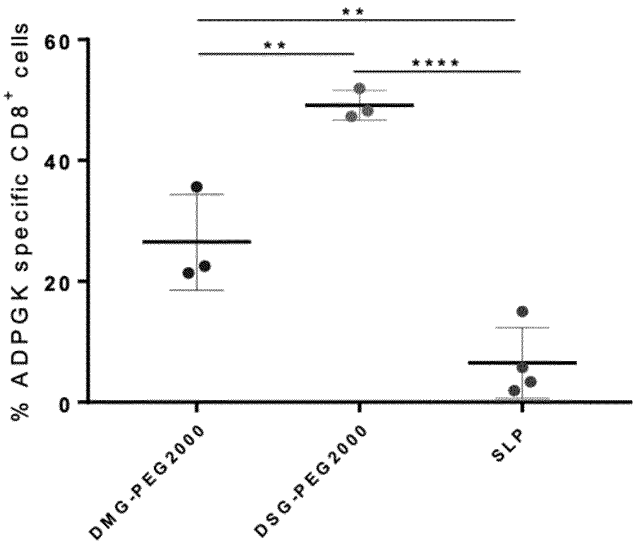

% ADPGK specific CD8+ cells
60
40
20
0
**
**
****
DMG-PEG2000
DSG-PEG2000
SLP

Fig. 4

A

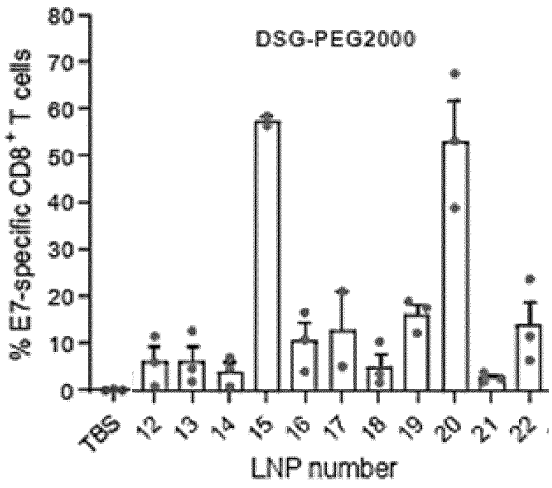
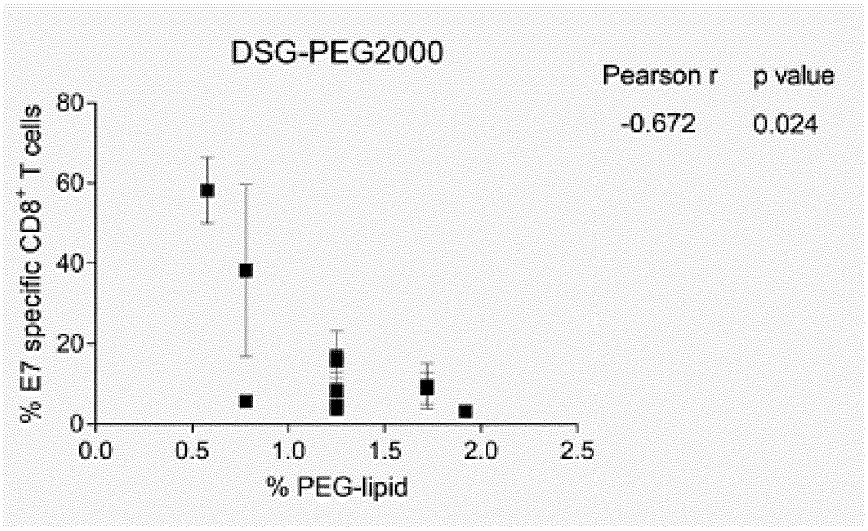

DSG-PEG2000
% E7-specific CD8+ T cells
80
70
60
50
40
30
20
10
0
TBS
12
13
14
15
16
17
18
19
20
21
22
LNP number

Fig. 4 - Continued

B



C

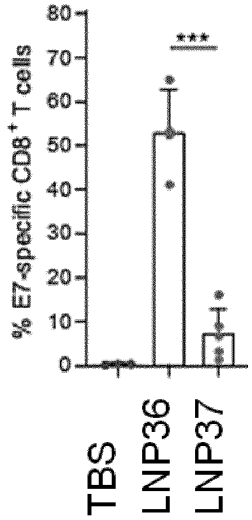
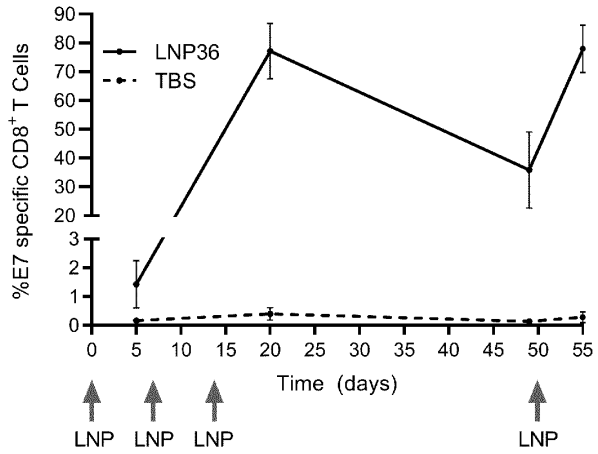
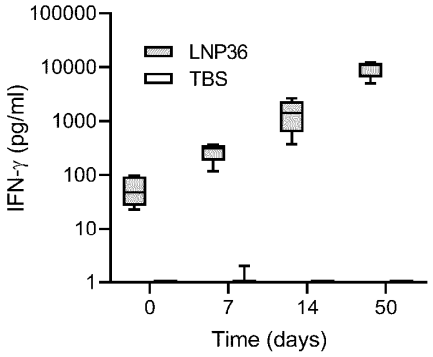


Fig. 5

A


%E7 specific CD8+ T Cells
LNP36
TBS
Time (days)
LNP
LNP
LNP
LNP

B


IFN-γ (pg/ml)
LNP36
TBS
Time (days)

C

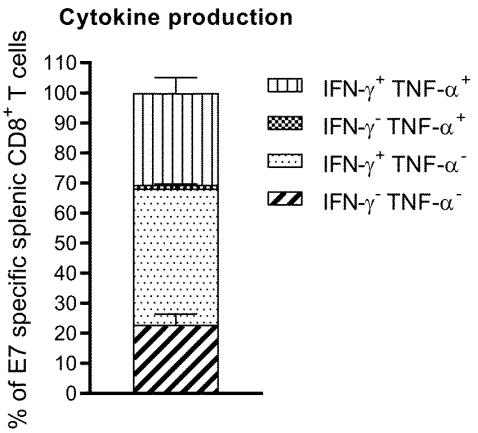
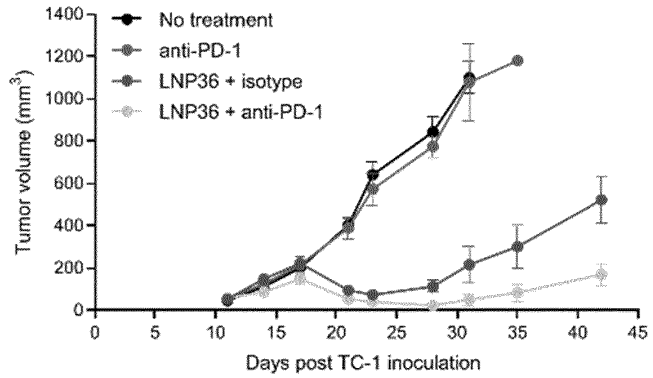
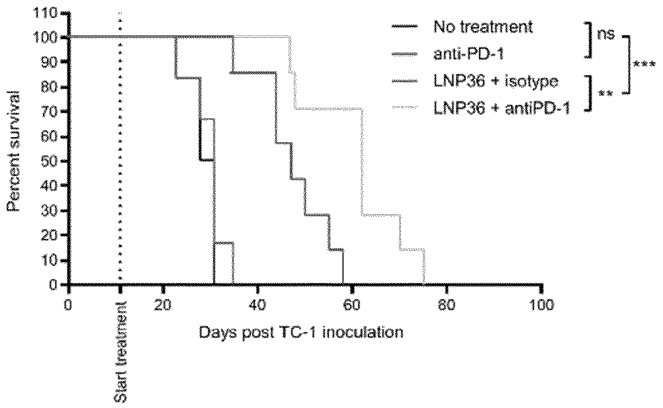

Cytokine production
% of E7 specific splenic CD8+ T cells
IFN-γ+ TNF-α+
IFN-γ- TNF-α+
IFN-γ+ TNF-α-
IFN-γ- TNF-α-

Fig. 5 - Continued

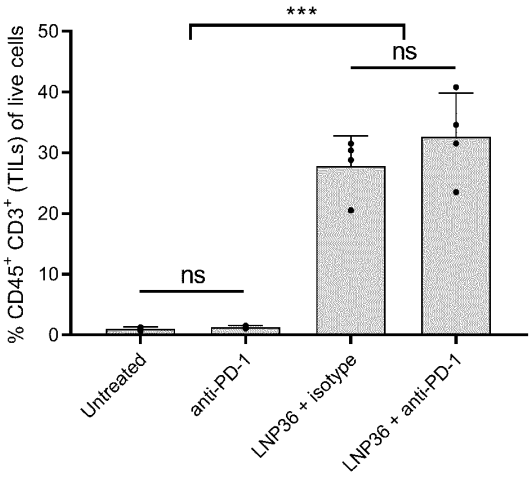
D



E



F



G

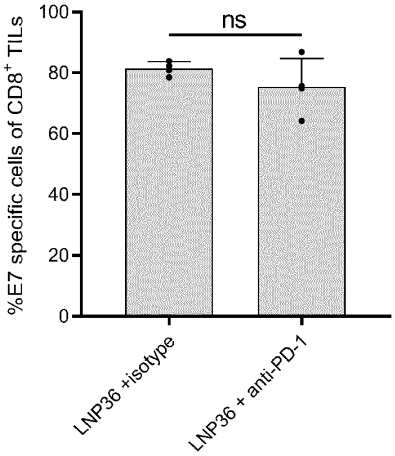
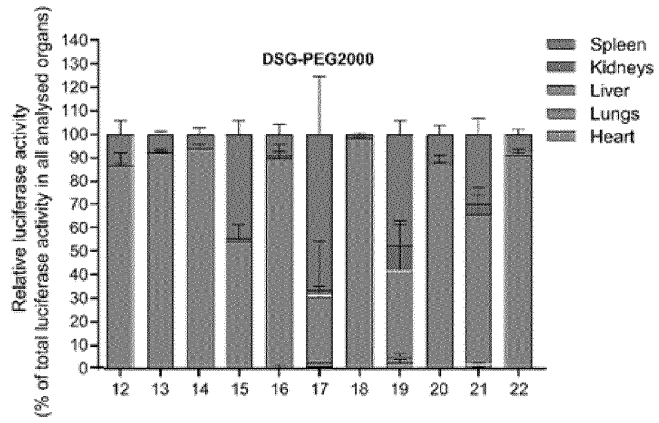
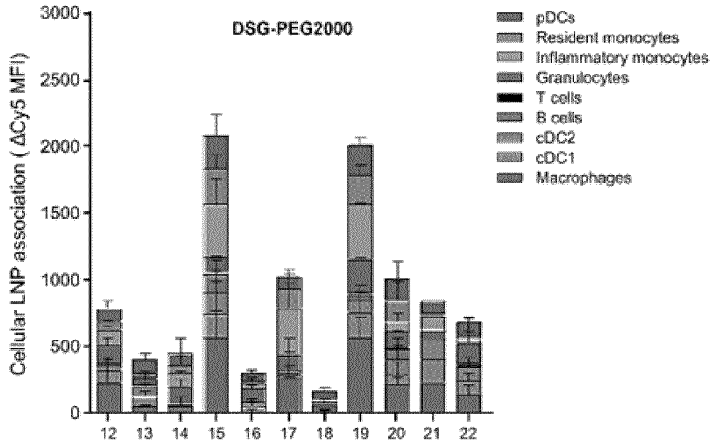


Fig. 6

A


DSG-PEG2000
Relative luciferase activity
(% of total luciferase activity in all analysed organs)
Spleen
Kidneys
Liver
Lungs
Heart
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
12
13
14
15
16
17
18
19
20
21
22

B


DSG-PEG2000
Cellular LNP association (ΔCy5 MFI)
pDCs
Resident monocytes
Inflammatory monocytes
Granulocytes
T cells
B cells
cDC2
cDC1
Macrophages
0
500
1000
1500
2000
2500
3000
12
13
14
15
16
17
18
19
20
21
22

C

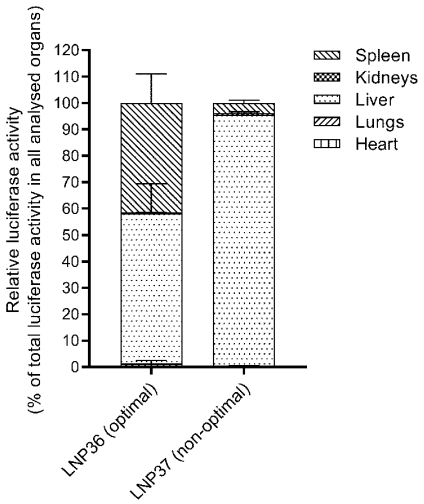

Relative luciferase activity
(% of total luciferase activity in all analysed organs)
Spleen
Kidneys
Liver
Lungs
Heart
0
10
20
30
40
50
60
70
80
90
100
110
120
LNP36 (optimal)
LNP37 (non-optimal)

Fig. 6 - Continued

D

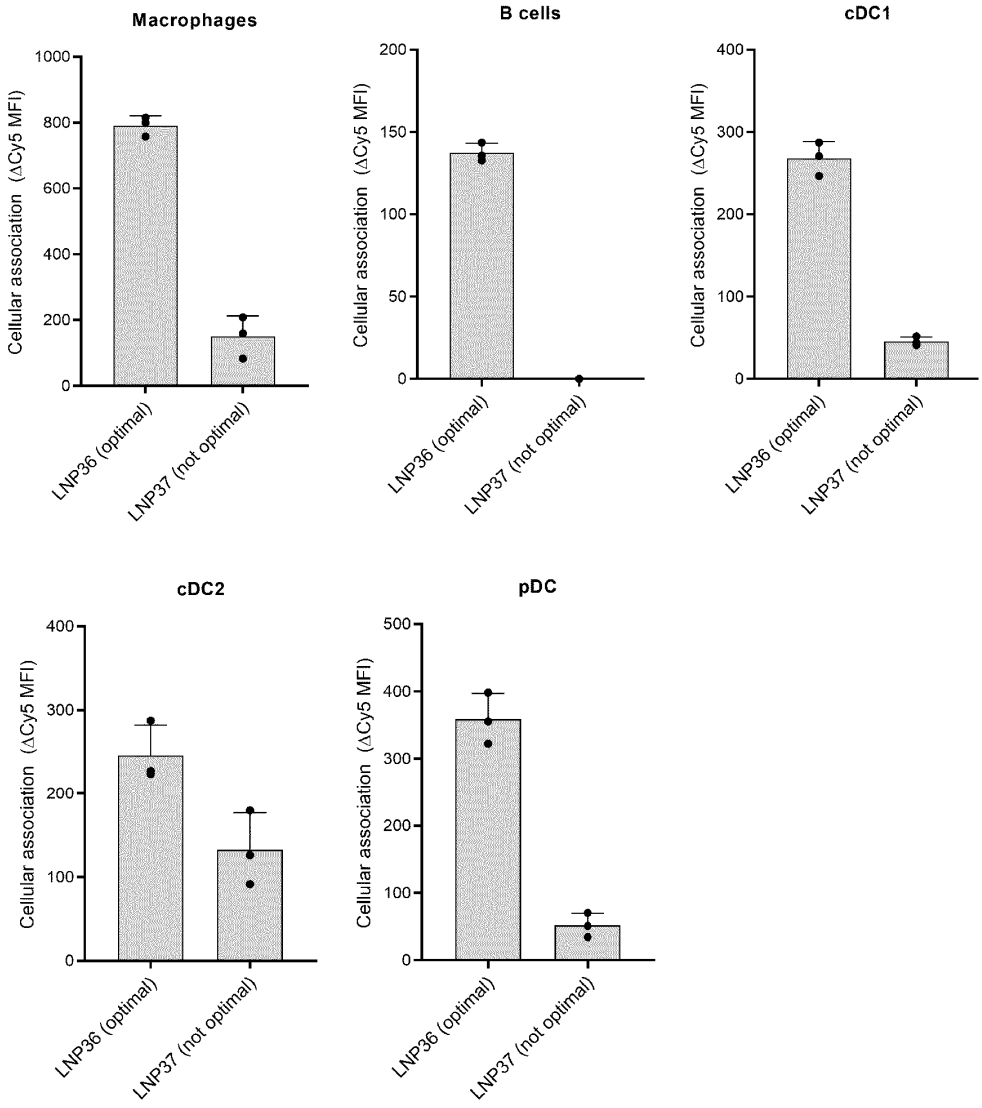
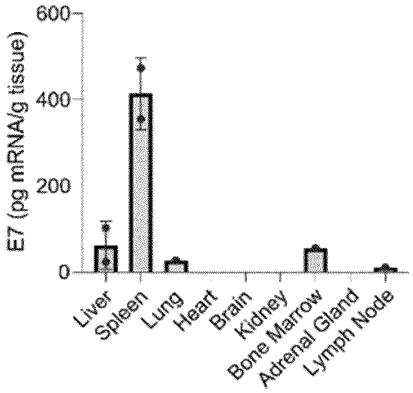
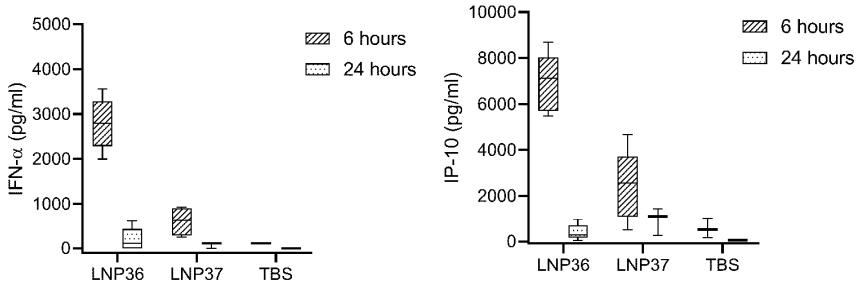


Fig. 6 - Continued

E



F



G

