Figure 1

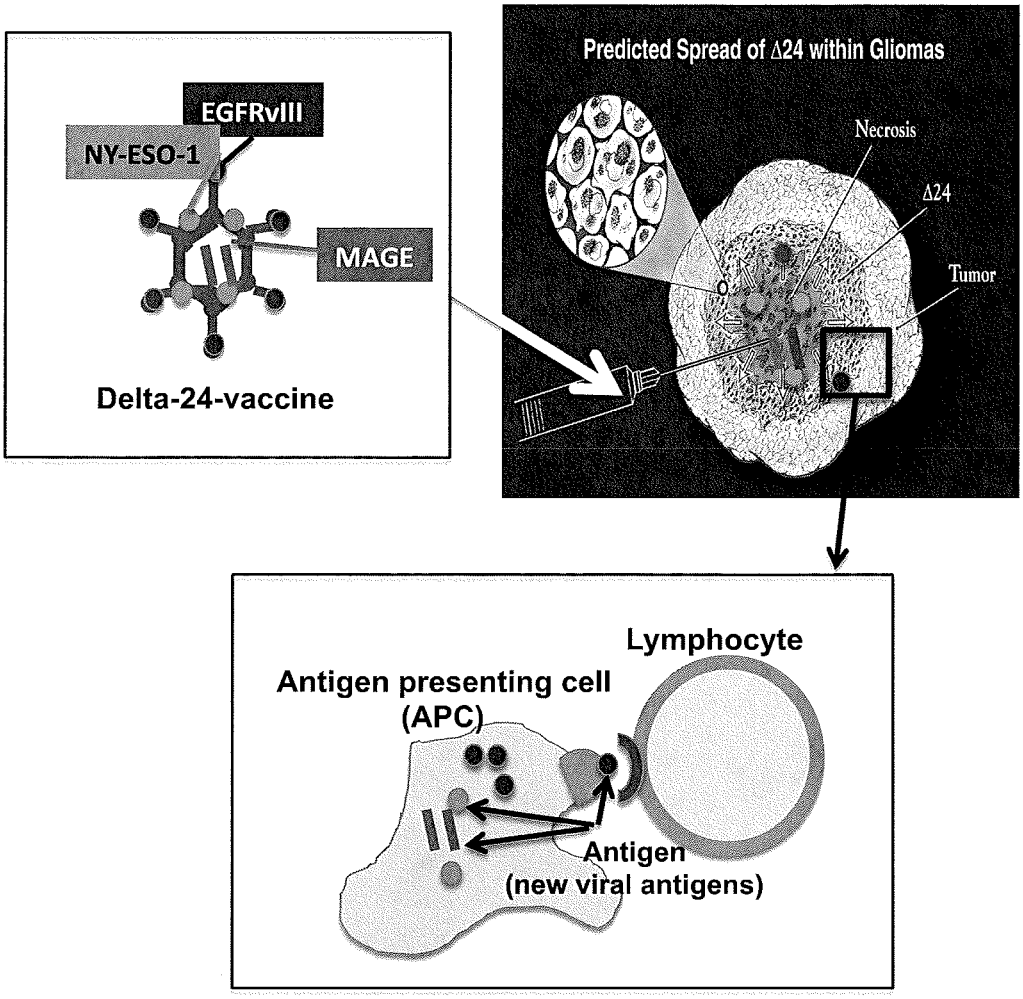

EGFRvIII
NY-ESO-1
MAGE
Delta-24-vaccine
Predicted Spread of Δ24 within Gliomas
Necrosis
Δ24
Tumor
Lymphocyte
Antigen presenting cell
(APC)
Antigen
(new viral antigens)

Figure 2

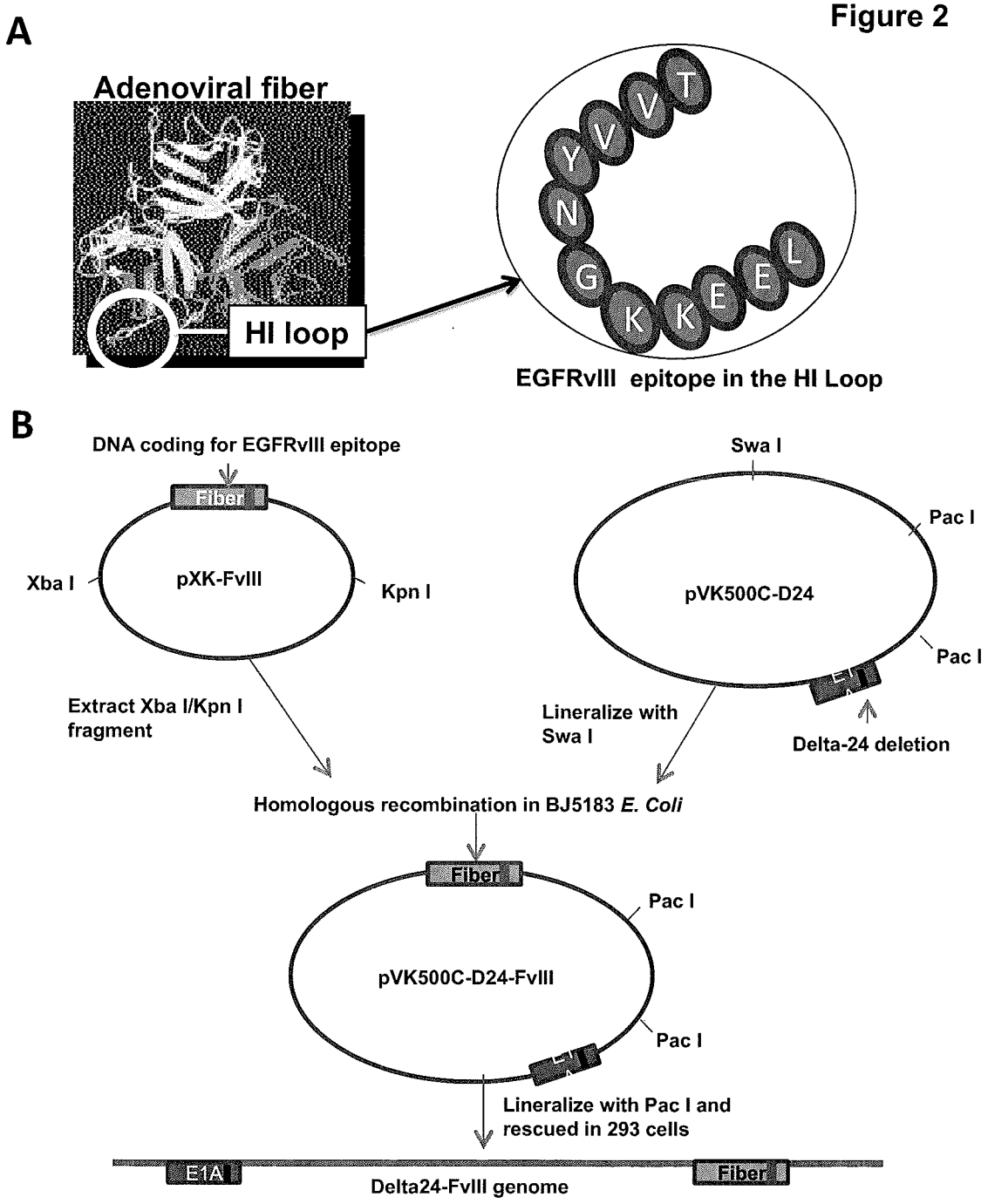

A
Adenoviral fiber
HI loop
T
V
V
Y
N
G
K
K
E
E
L
EGFRvIII epitope in the HI Loop
B
DNA coding for EGFRvIII epitope
Fiber
Xba I
pXK-FvIII
Kpn I
Extract Xba I/Kpn I fragment
Swa I
Pac I
pVK500C-D24
Pac I
E1A
Lineralize with Swa I
Delta-24 deletion
Homologous recombination in BJ5183 E. Coli
Fiber
Pac I
pVK500C-D24-FvIII
Pac I
E1A
Lineralize with Pac I and rescued in 293 cells
E1A
Fiber
Delta24-FvIII genome

Figure 3

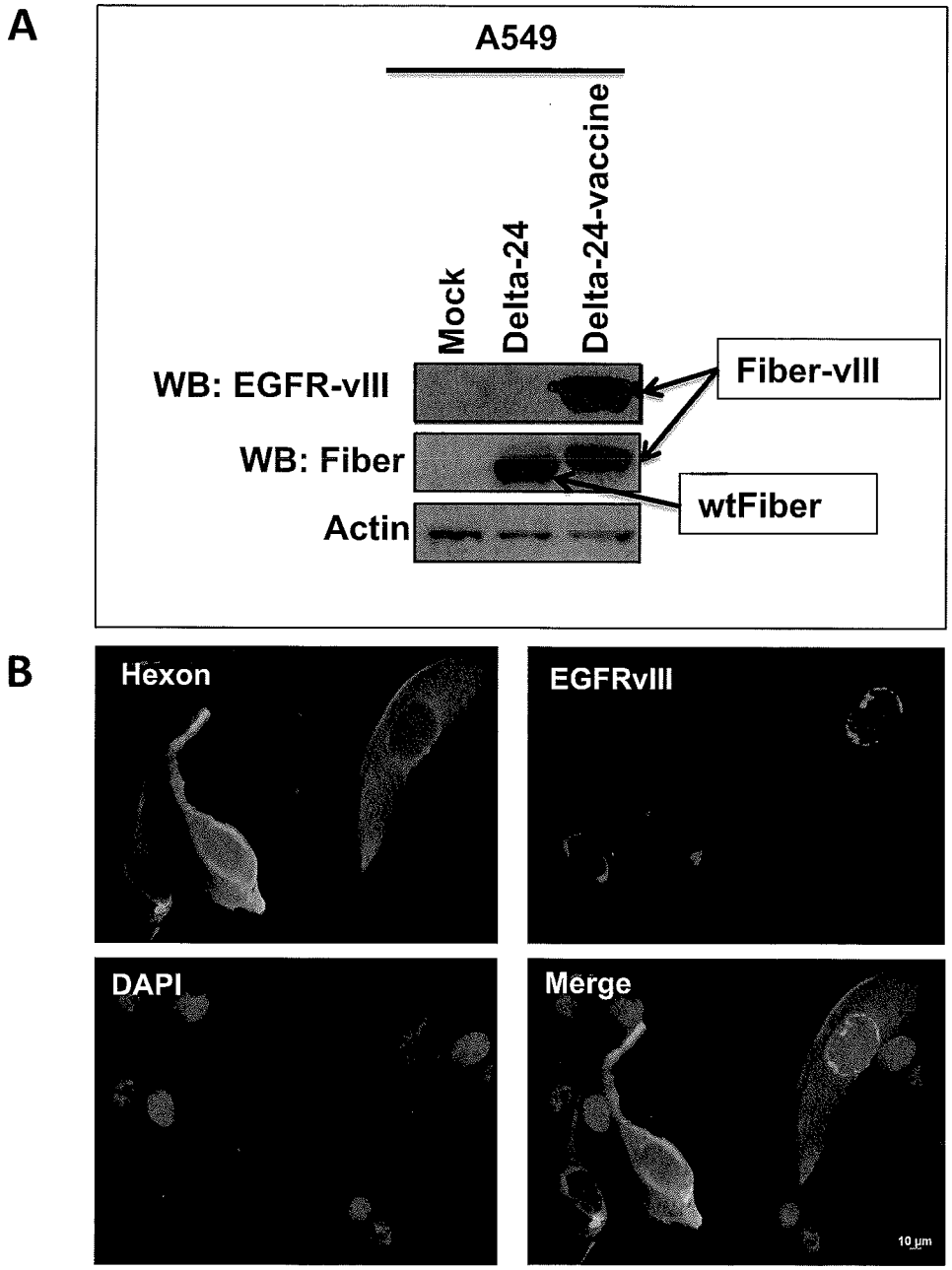

A
A549
Mock
Delta-24
Delta-24-vaccine
WB: EGFR-vIII
WB: Fiber
Actin
Fiber-vIII
wtFiber
B
Hexon
EGFRvIII
DAPI
Merge
10 μm

Figure 4

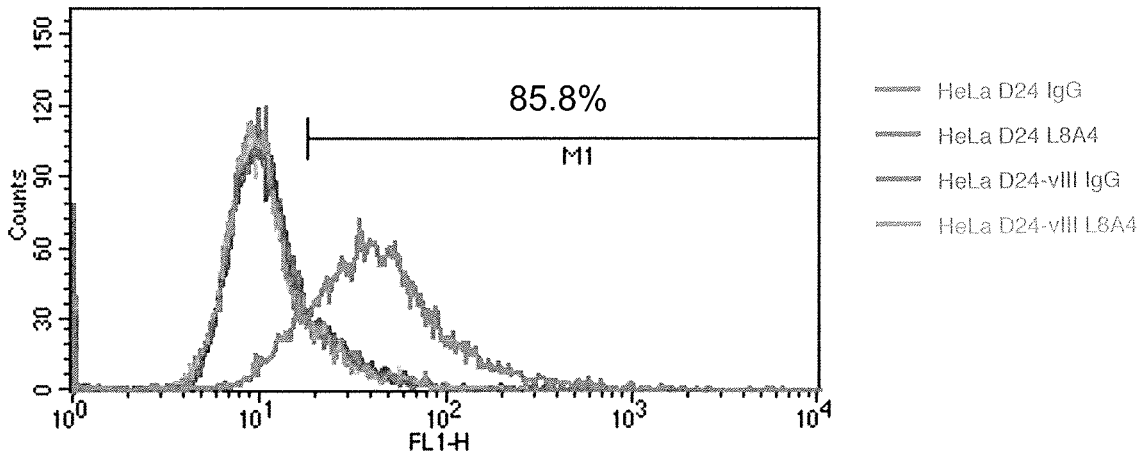

85.8%
M1
Counts
0
30
60
90
120
150
10^0
10^1
10^2
10^3
10^4
FL1-H
HeLa D24 IgG
HeLa D24 L8A4
HeLa D24-vIII IgG
HeLa D24-vIII L8A4

Figure 5

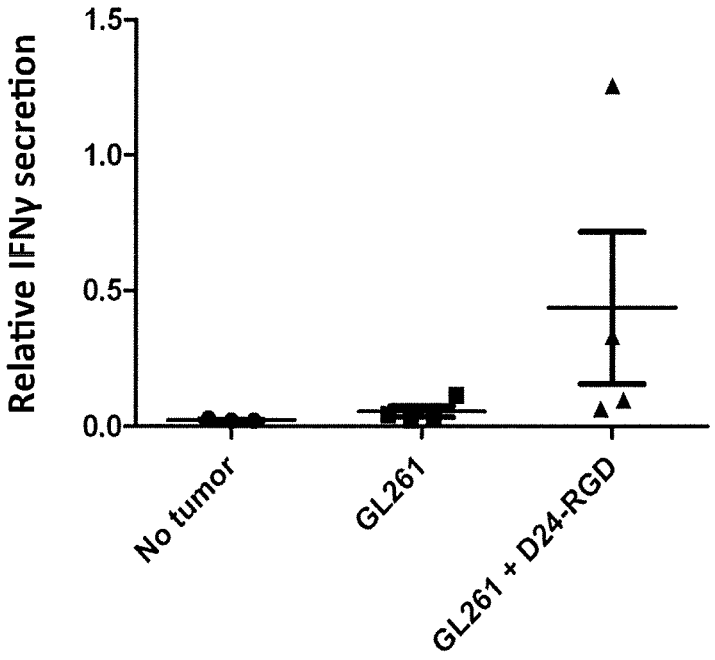
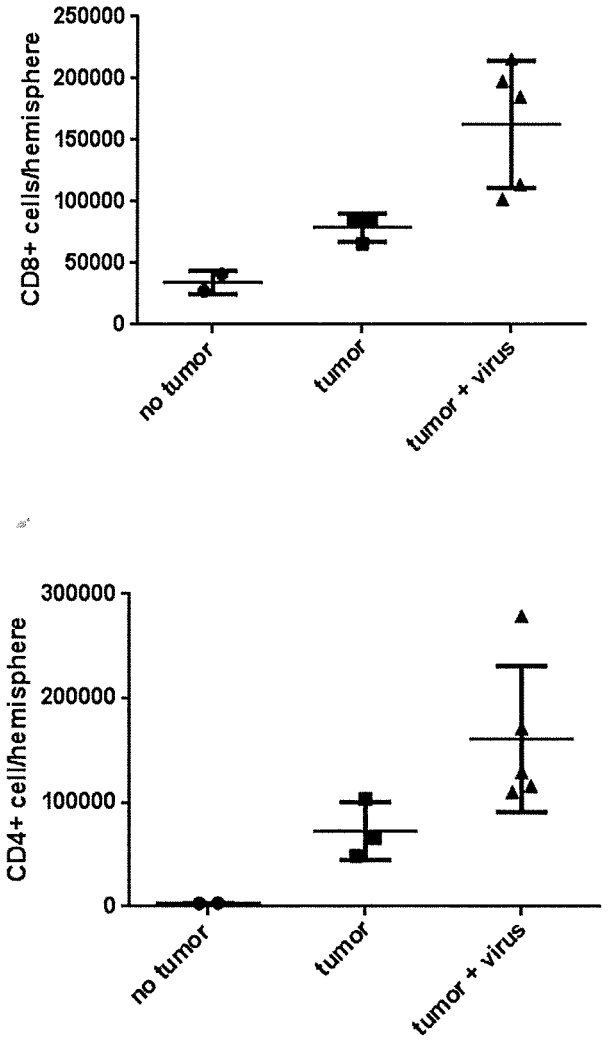

Relative IFNγ secretion
1.5
1.0
0.5
0.0
No tumor
GL261
GL261 + D24-RGD

Figure 6


CD8+ cells/hemisphere
250000
200000
150000
100000
50000
0
no tumor
tumor
tumor + virus
CD4+ cell/hemisphere
300000
200000
100000
0
no tumor
tumor
tumor + virus