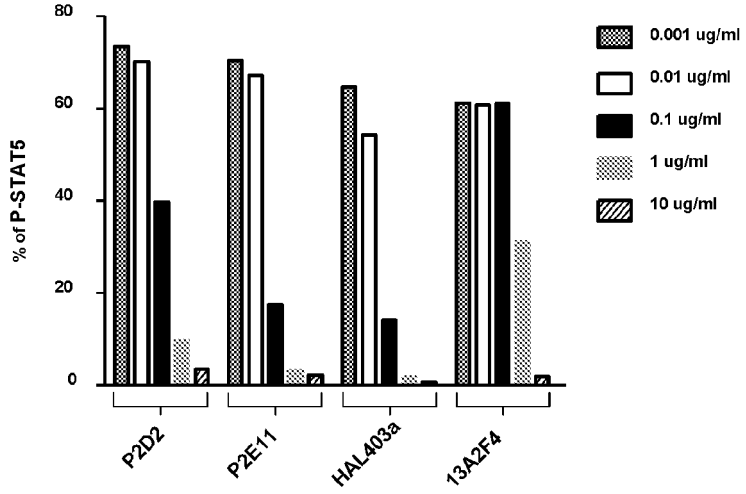

80
60
40
20
0
% of P-STAT5
0.001 ug/ml
0.01 ug/ml
0.1 ug/ml
1 ug/ml
10 ug/ml
P2D2
P2E11
HAL403a
13A2F4

Figure 1

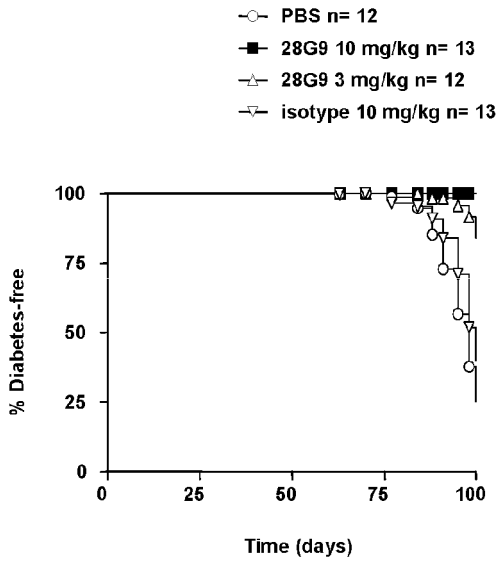

PBS n= 12
28G9 10 mg/kg n= 13
28G9 3 mg/kg n= 12
isotype 10 mg/kg n= 13
% Diabetes-free
100
75
50
25
0
0
25
50
75
100
Time (days)

Figure 2

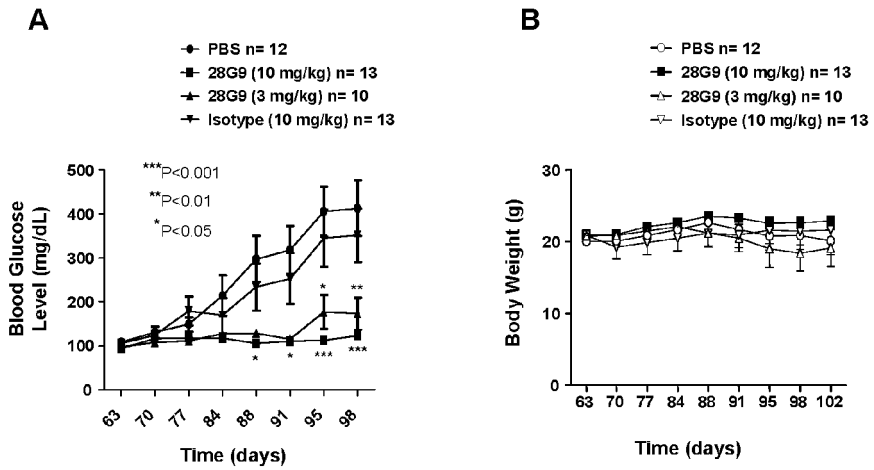

A
PBS n= 12
28G9 (10 mg/kg) n= 13
28G9 (3 mg/kg) n= 10
Isotype (10 mg/kg) n= 13
***P<0.001
**P<0.01
*P<0.05
Blood Glucose Level (mg/dL)
500
400
300
200
100
0
63 70 77 84 88 91 95 98
Time (days)
B
PBS n= 12
28G9 (10 mg/kg) n= 13
28G9 (3 mg/kg) n= 10
Isotype (10 mg/kg) n= 13
Body Weight (g)
30
20
10
0
63 70 77 84 88 91 95 98 102
Time (days)

Figure 3

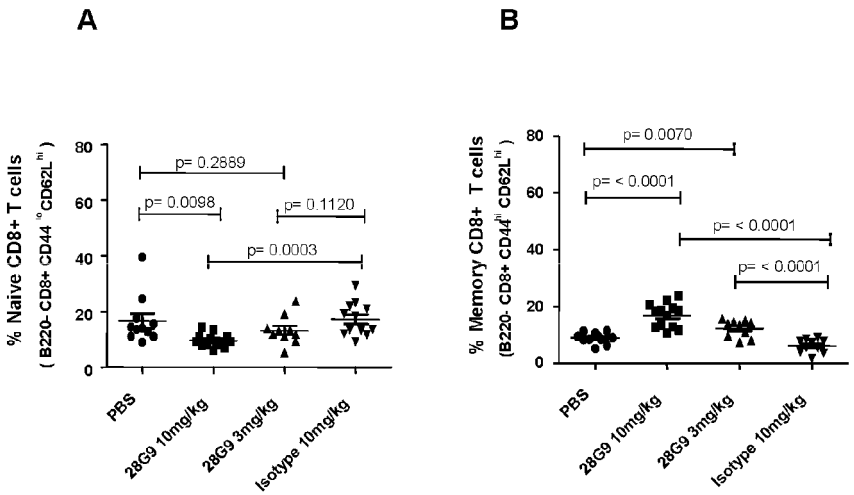

A
B
% Naive CD8+ T cells
(B220- CD8+ CD44 lo CD62L hi)
p= 0.2889
p= 0.0098
p= 0.1120
p= 0.0003
% Memory CD8+ T cells
(B220- CD8+ CD44 hi CD62L lo)
p= 0.0070
p= < 0.0001
p= < 0.0001
p= < 0.0001
0
20
40
60
80
PBS
28G9 10mg/kg
28G9 3mg/kg
Isotype 10mg/kg

Figure 4

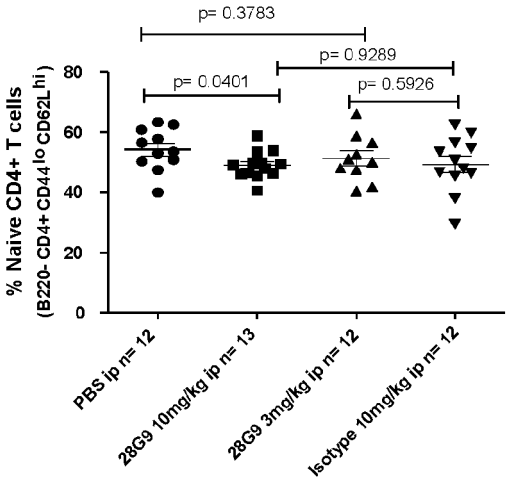

p= 0.3783
p= 0.9289
p= 0.0401
p= 0.5926
% Naive CD4+ T cells
(B220- CD4+ CD44lo CD62Lhi)
80
60
40
20
0
PBS ip n= 12
28G9 10mg/kg ip n= 13
28G9 3mg/kg ip n= 12
Isotype 10mg/kg ip n= 12

Figure 5

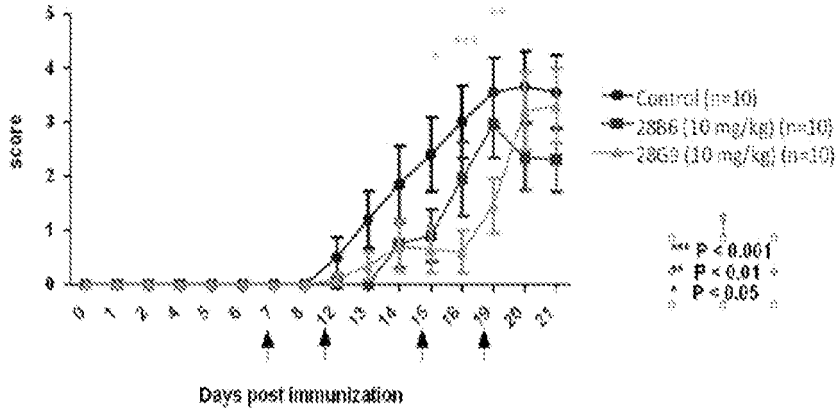

score
Days post immunization
Control (n=10)
2866 (10 mg/kg) (n=10)
2869 (10 mg/kg) (n=10)
*** P < 0.001
** P < 0.01
* P < 0.05

Figure 6

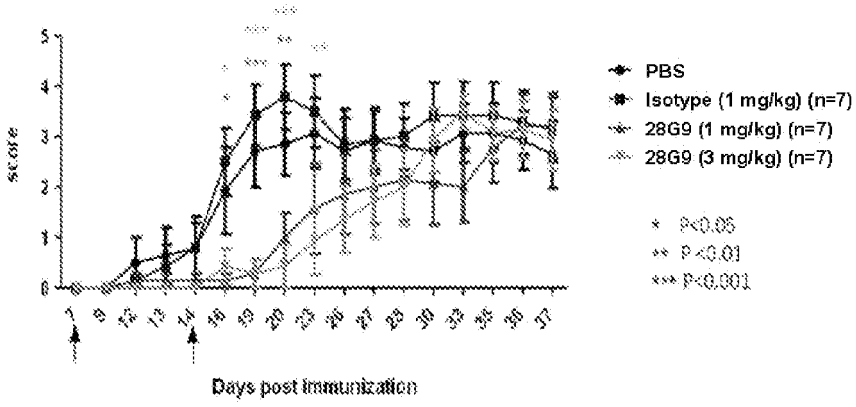

score
Days post immunization
PBS
Isotype (1 mg/kg) (n=7)
28G9 (1 mg/kg) (n=7)
28G9 (3 mg/kg) (n=7)
* P<0.05
** P<0.01
*** P<0.001

Figure 7

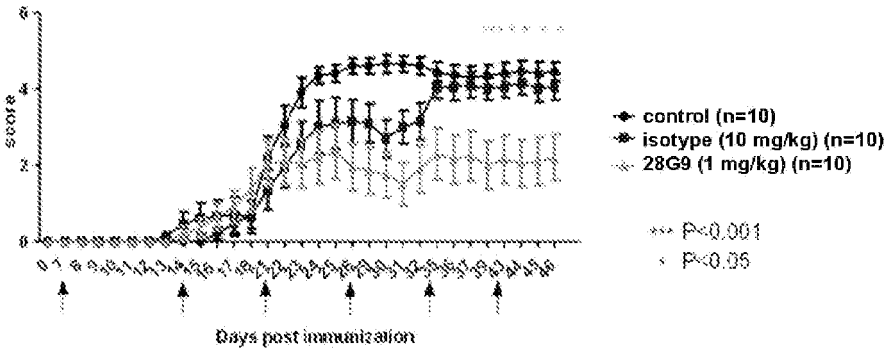

score
Days post immunization
control (n=10)
isotype (10 mg/kg) (n=10)
28G9 (1 mg/kg) (n=10)
P<0.001
P<0.05

Figure 8

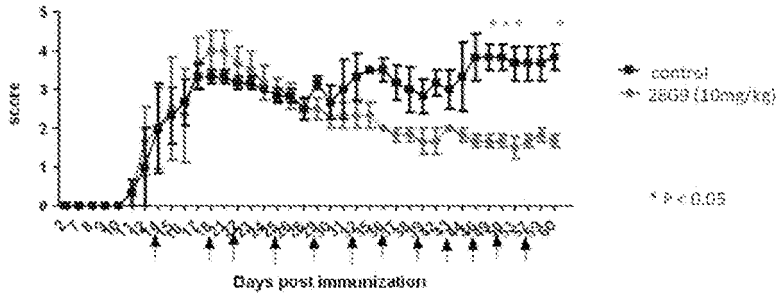


Figure 9

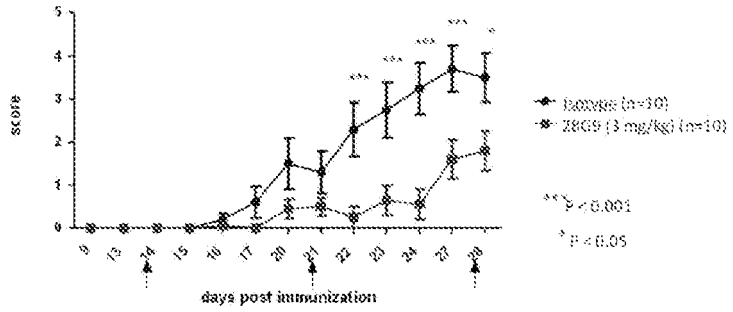

score
days post immunization
Isotype (n=10)
ZBG9 (3 mg/kg) (n=10)
*** P < 0.001
* P < 0.05

Figure 10

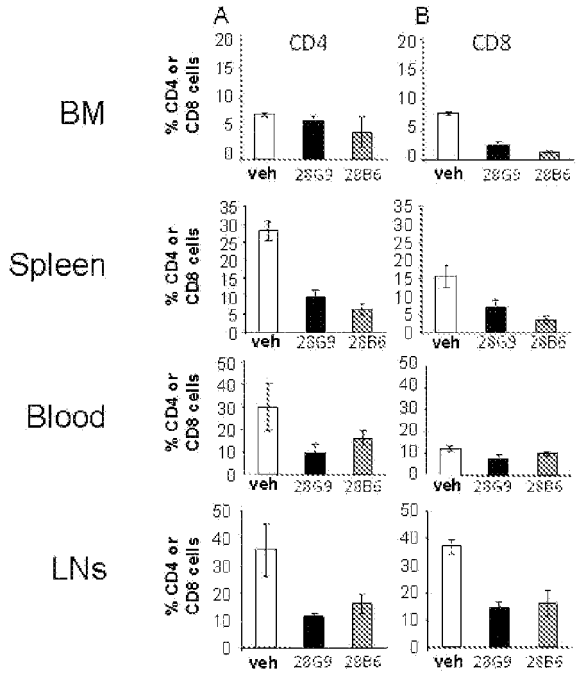


Figure 11

Figure 12A

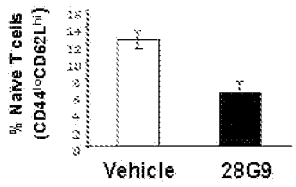


Figure 12B

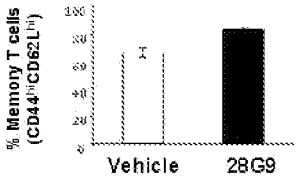
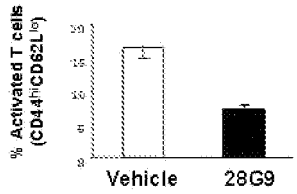


Figure 12C



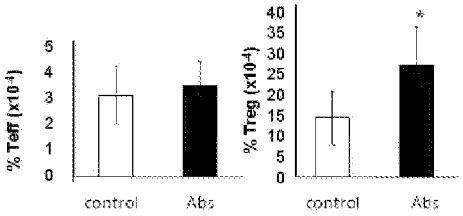

% Teff (x10⁻⁴)
5
4
3
2
1
0
control
Abs
% Treg (x10⁻⁴)
40
35
30
25
20
15
10
5
0
*
control
Abs

Figure 13

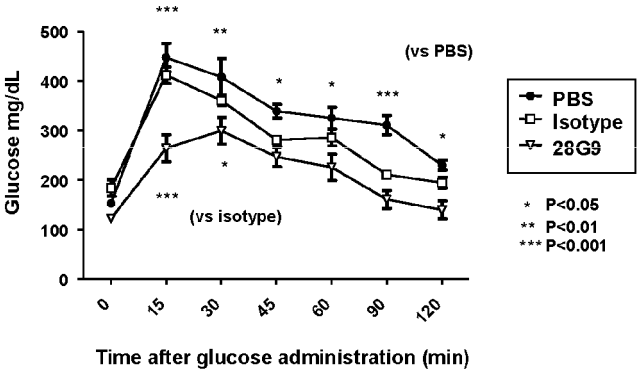

Glucose mg/dL
500
400
300
200
100
0
0
15
30
45
60
90
120
Time after glucose administration (min)
(vs PBS)
(vs isotype)
PBS
Isotype
28G9
* P<0.05
** P<0.01
*** P<0.001

Figure 14

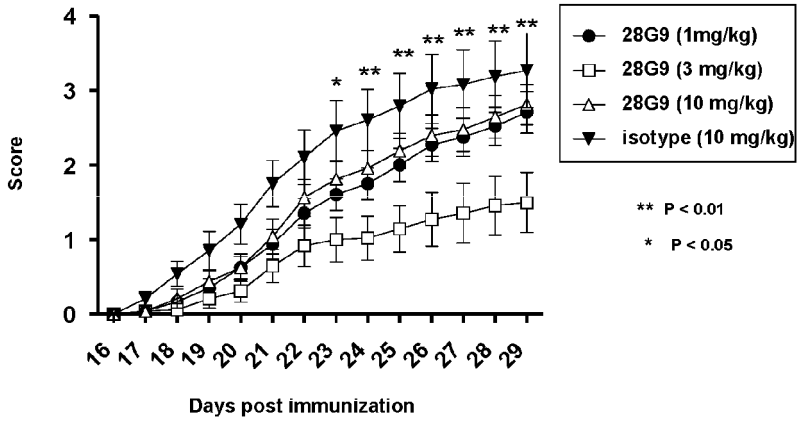

Score
4
3
2
1
0
16 17 18 19 20 21 22 23 24 25 26 27 28 29
Days post immunization
* ** ** ** ** ** **
28G9 (1mg/kg)
28G9 (3 mg/kg)
28G9 (10 mg/kg)
isotype (10 mg/kg)
** P < 0.01
* P < 0.05

Figure 15