FIG. 1

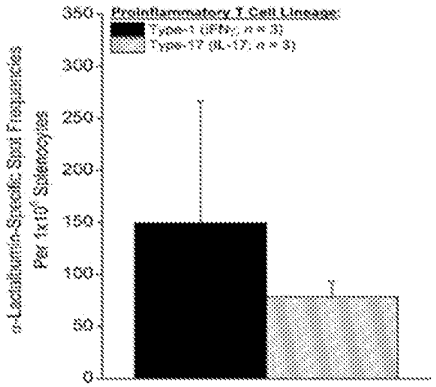

Proinflammatory T Cell Lineage:
Type-1 (IFNγ; n = 3)
Type-17 (IL-17; n = 3)
α-Lactalbumin-Specific Spot Frequencies Per 1x10^5 Splenocytes
350
300
250
200
150
100
50
0

FIG. 2

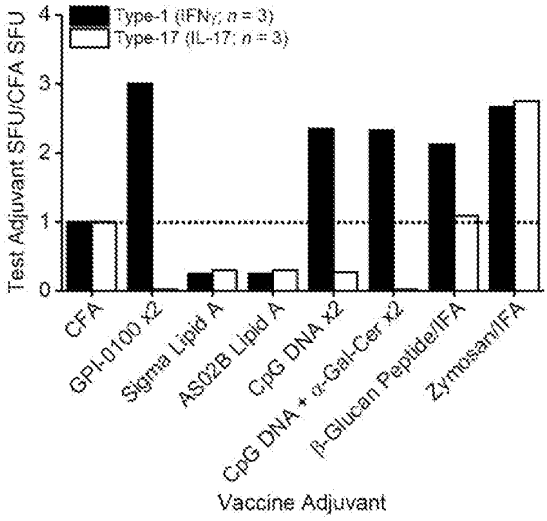

Type-1 (IFNγ; n = 3)
Type-17 (IL-17; n = 3)
Test Adjuvant SFU/CFA SFU
4
3
2
1
0
CFA
GPI-0100 x2
Sigma Lipid A
AS02B Lipid A
CpG DNA x2
CpG DNA + α-Gal-Cer x2
β-Glucan Peptide/IFA
Zymosan/IFA
Vaccine Adjuvant

FIG. 3A

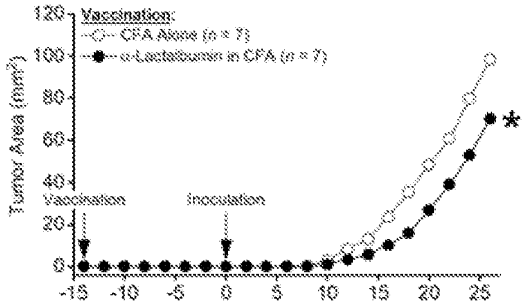


FIG. 3B

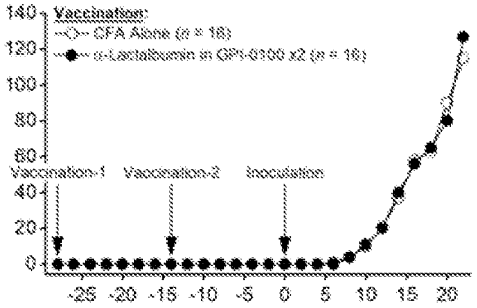


FIG. 3C

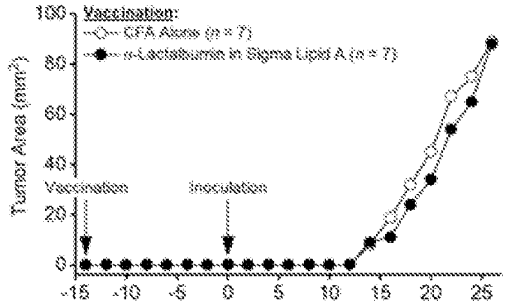


FIG. 3D

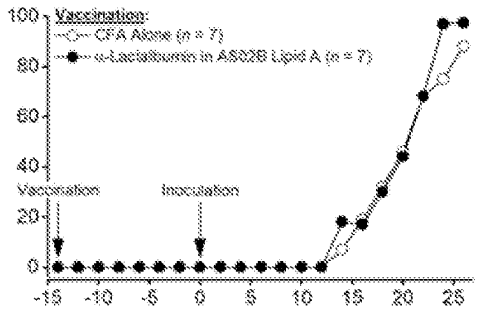


FIG. 3E

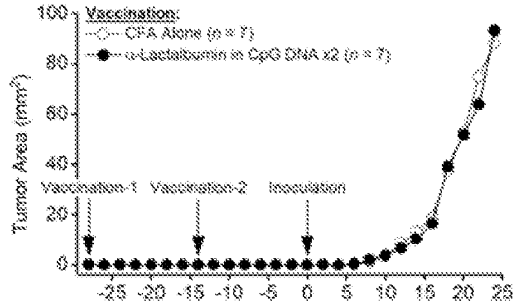


FIG. 3F

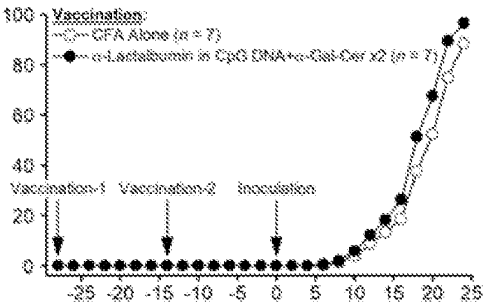


FIG. 3G

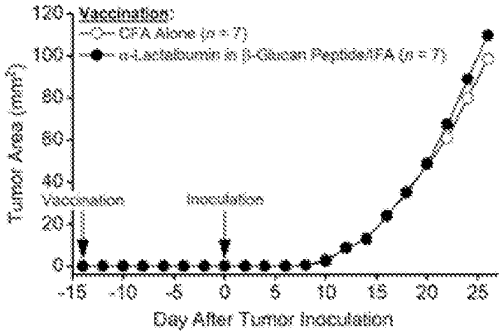


FIG. 3H

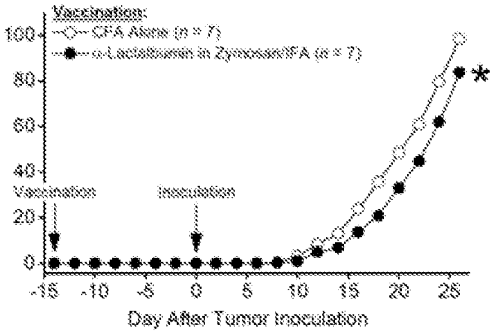


FIG. 4

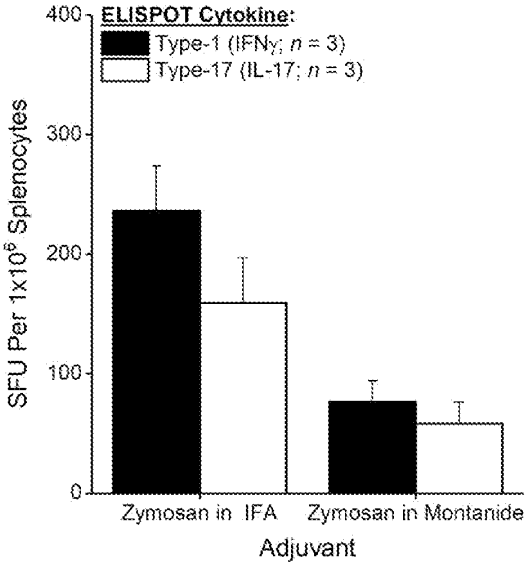


FIG. 5

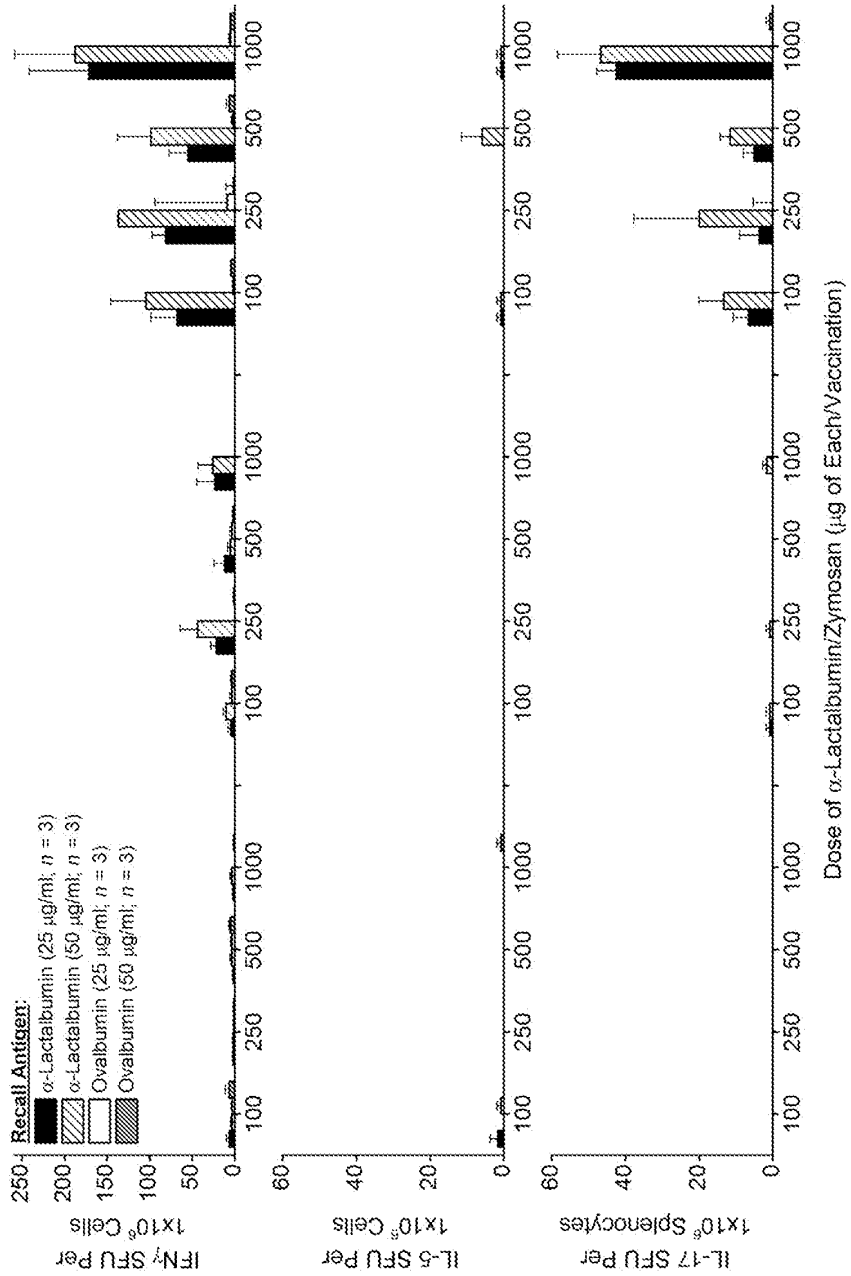

1 Vaccination
2 Vaccinations
3 Vaccinations
Recall Antigen:
α-Lactalbumin (25 μg/ml; n = 3)
α-Lactalbumin (50 μg/ml; n = 3)
Ovalbumin (25 μg/ml; n = 3)
Ovalbumin (50 μg/ml; n = 3)
IFNγ SFU Per 1x10^6 Cells
IL-5 SFU Per 1x10^6 Cells
IL-17 SFU Per 1x10^6 Splenocytes
0
50
100
150
200
250
20
40
60
100
250
500
1000
Dose of α-Lactalbumin/Zymosan (μg of Each/Vaccination)

FIG. 6

Group A Mice – Normalized Body Weight Changes from Time of First Vaccination.

(Arrow indicates day of first vaccination)

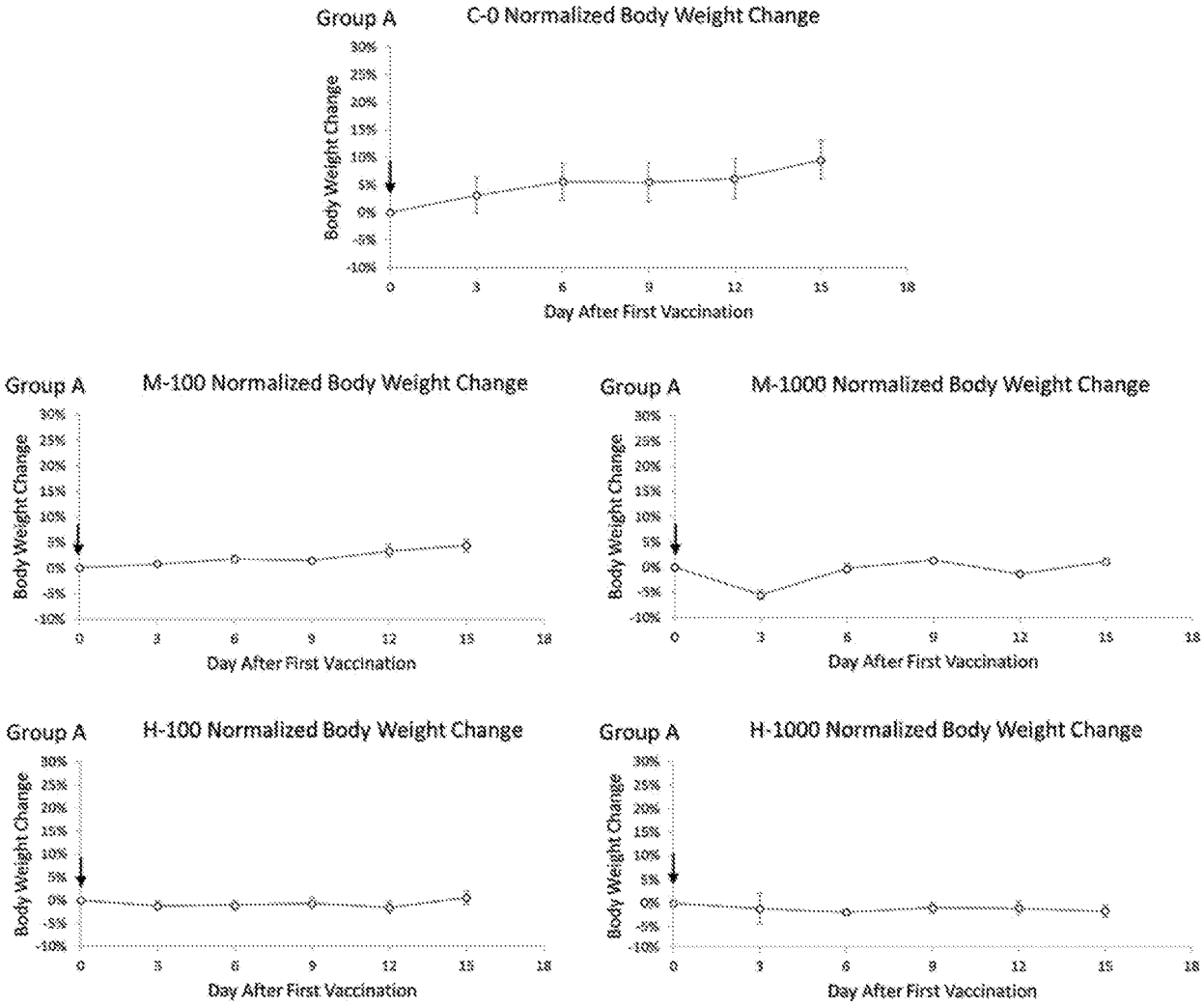


FIG. 7

Group B Mice – Normalized Body Weight Changes from Time of First Vaccination.

(Arrows indicate days of each of 2 vaccinations)

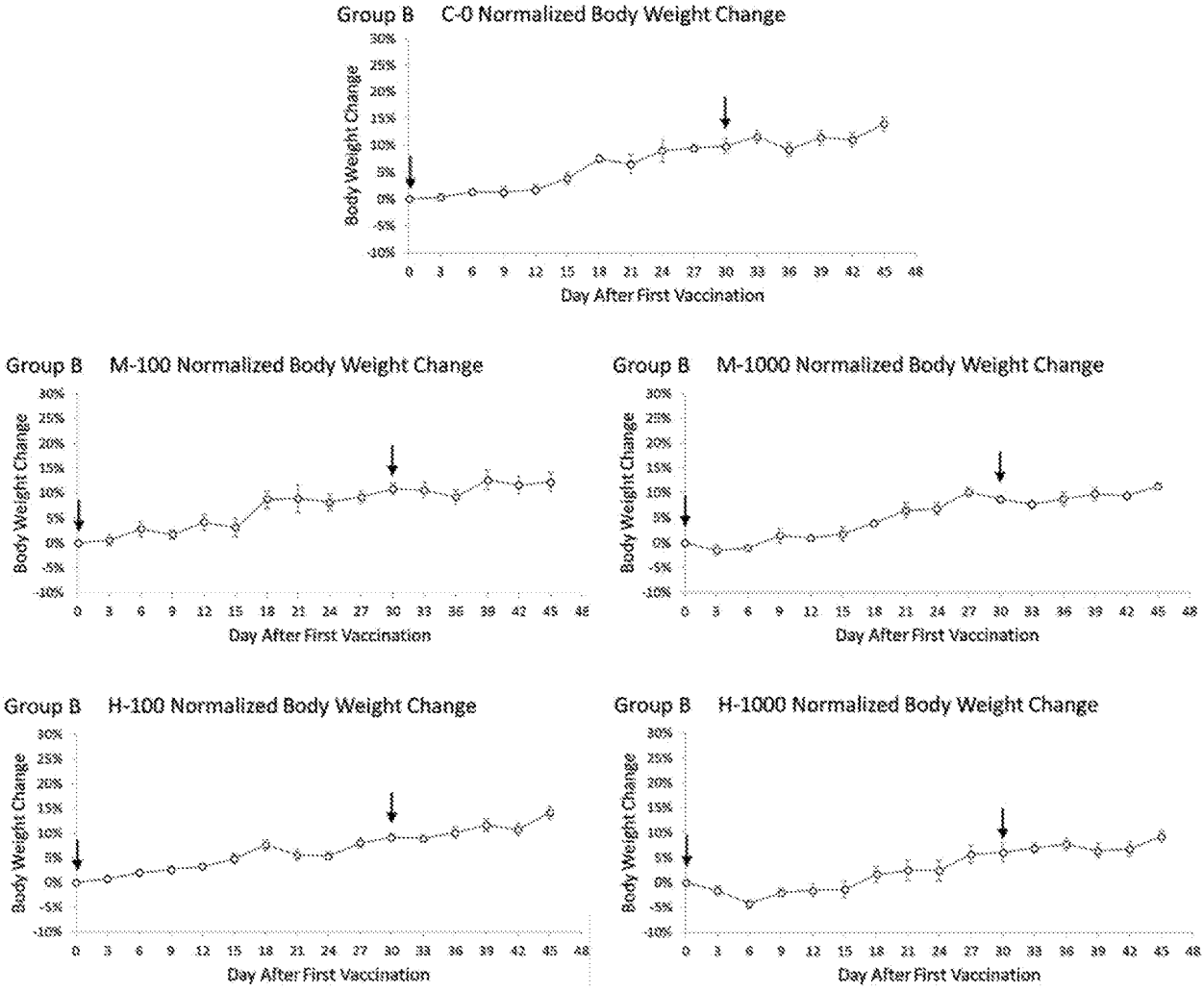


FIG. 8

Group C Mice – Normalized Body Weight Changes from Time of First Vaccination.

(Arrows indicate days of each of 3 vaccinations)

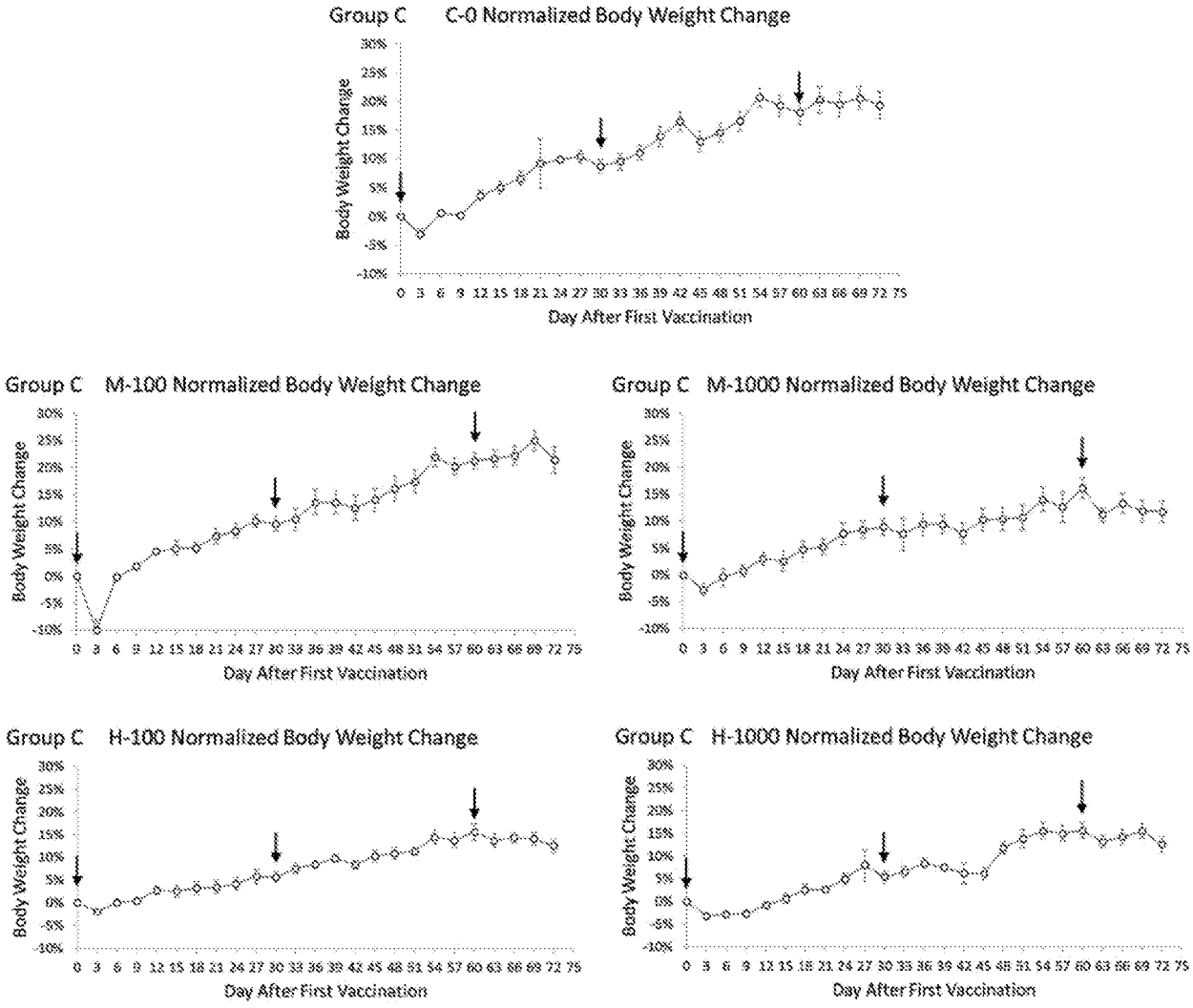


FIG. 9

Group A Mice – Normalized Body Temperature Changes from Time of First Vaccination.

(Arrow indicates day of first vaccination)

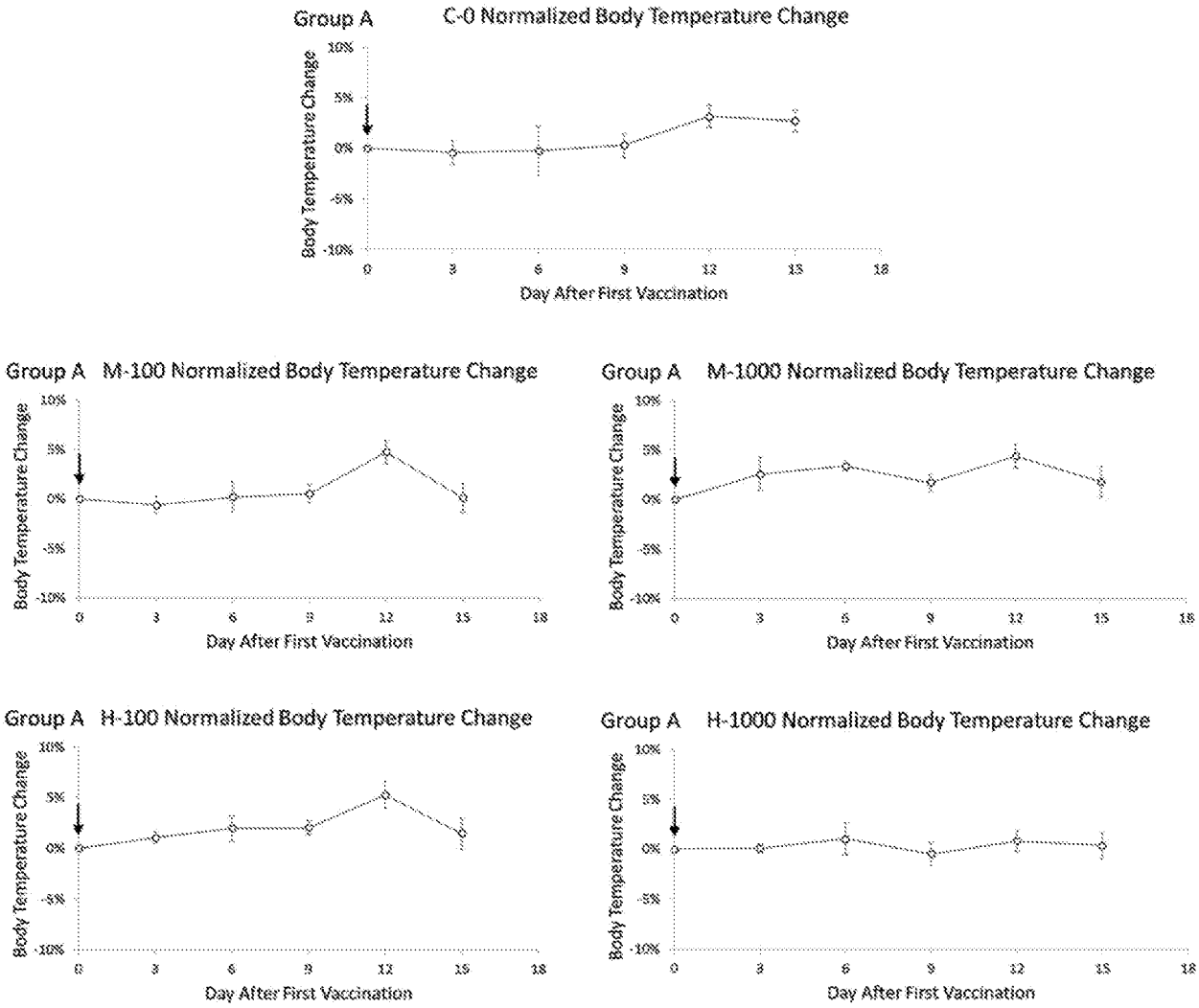


FIG. 10

Group B Mice – Normalized Body Temperature Changes from Time of First Vaccination.

(Arrows indicate days of each of 2 vaccinations)

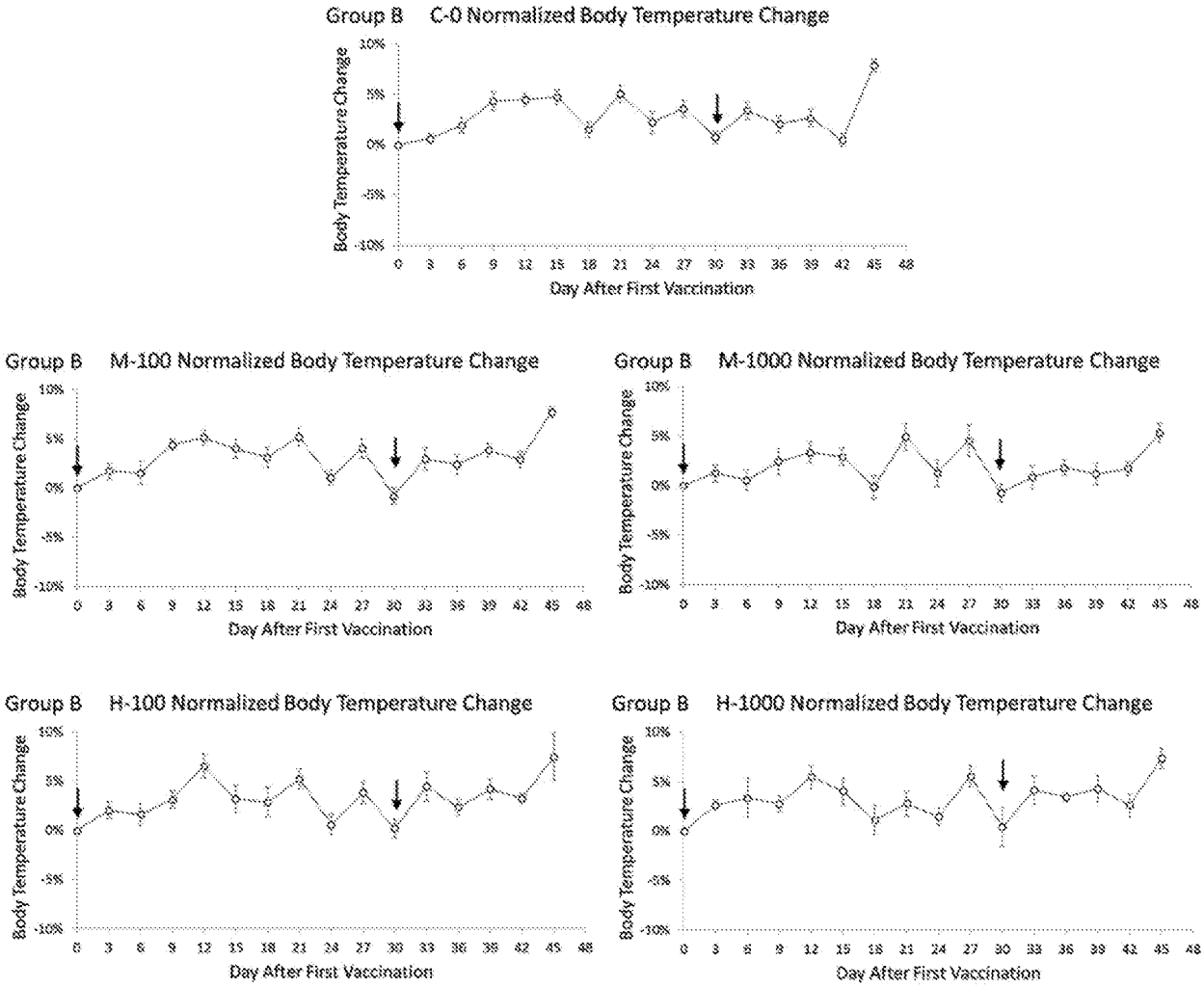


FIG. 11

Group C Mice – Normalized Body Temperature Changes from Time of First Vaccination.

(Arrows indicate days of each of 3 vaccinations)

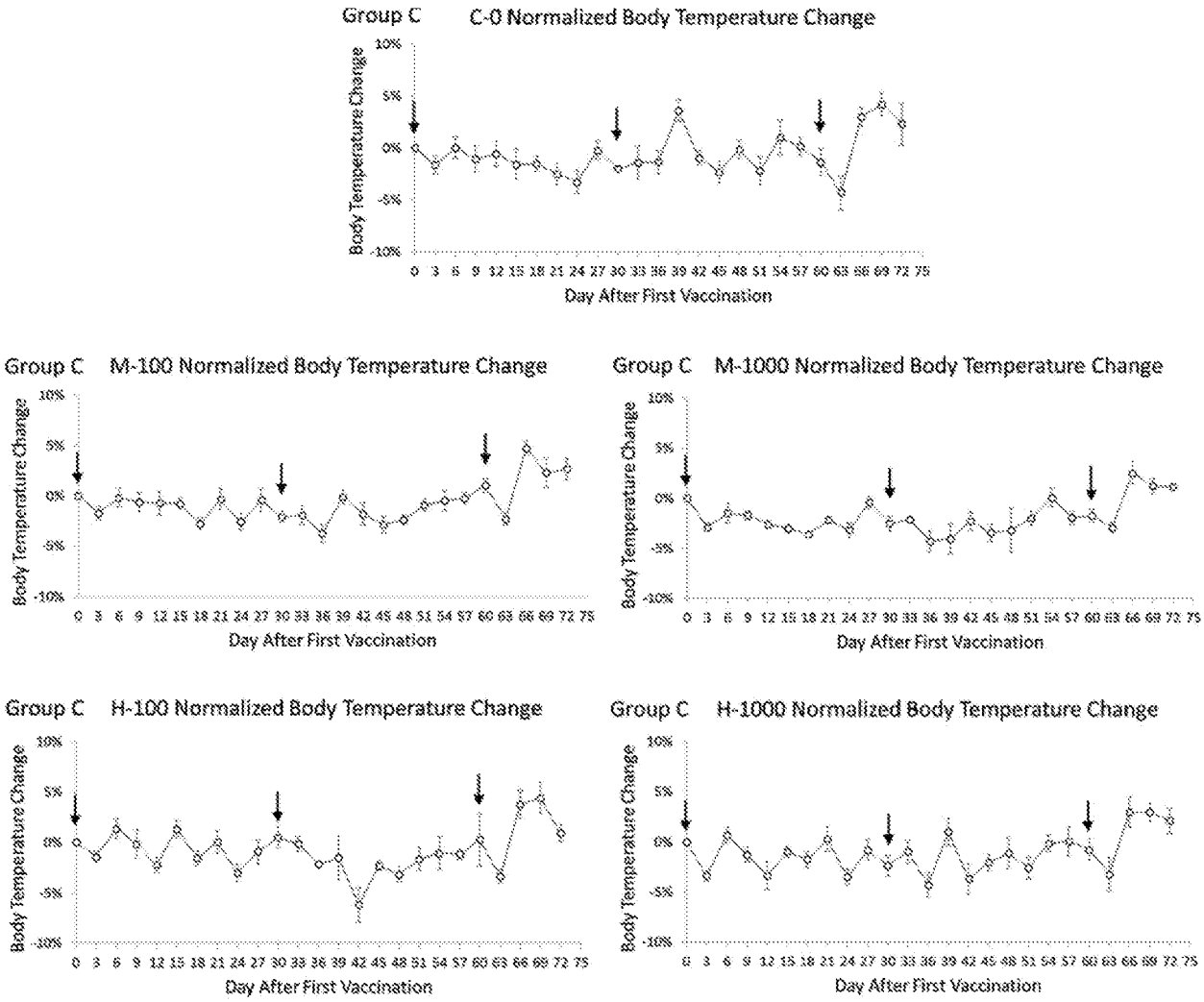


FIG. 12

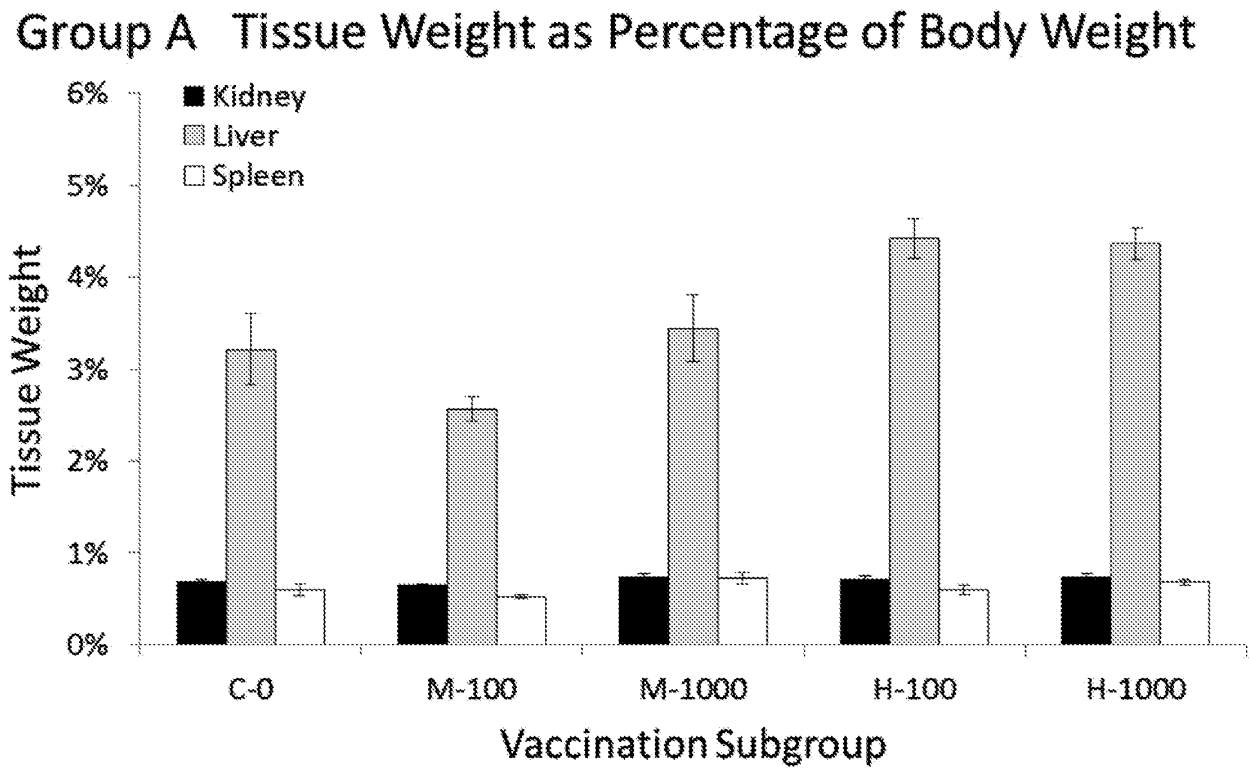

Group A Tissue Weight as Percentage of Body Weight
Kidney
Liver
Spleen
6%
5%
4%
3%
2%
1%
0%
Tissue Weight
C-0
M-100
M-1000
H-100
H-1000
Vaccination Subgroup

FIG. 13

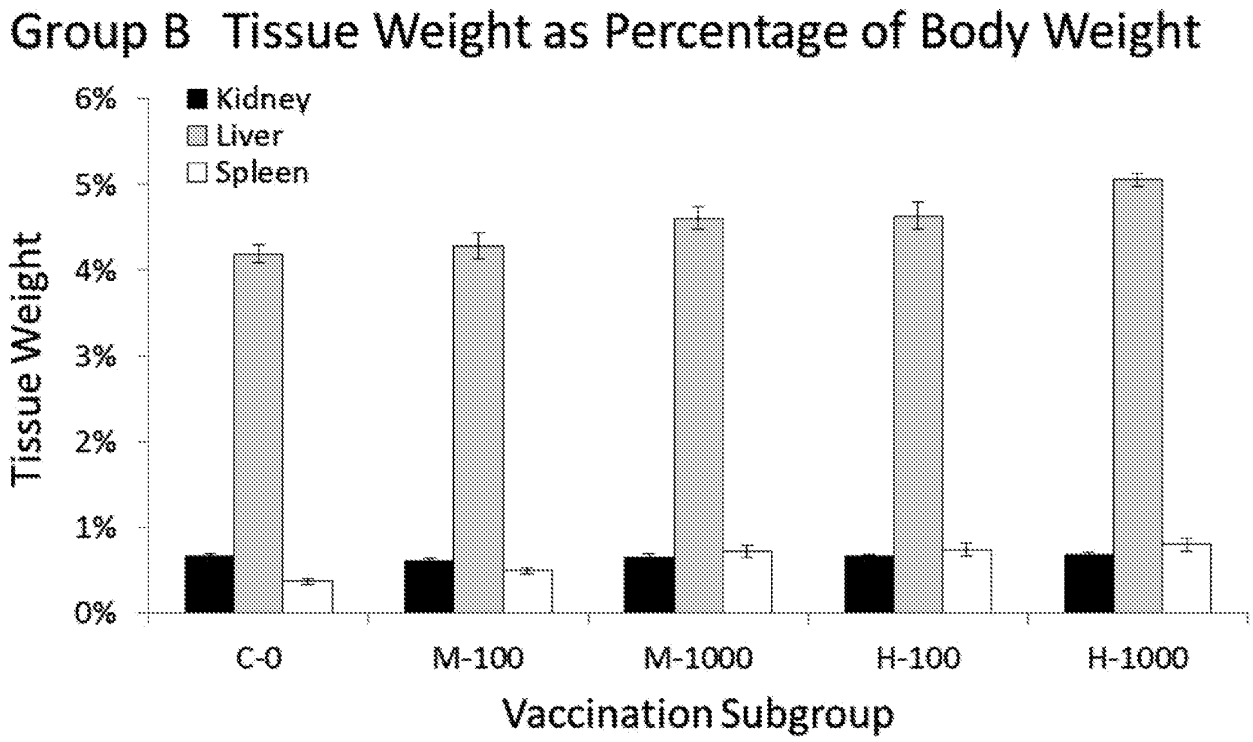

Group B Tissue Weight as Percentage of Body Weight
Kidney
Liver
Spleen
6%
5%
4%
3%
2%
1%
0%
Tissue Weight
C-0
M-100
M-1000
H-100
H-1000
Vaccination Subgroup

FIG. 14

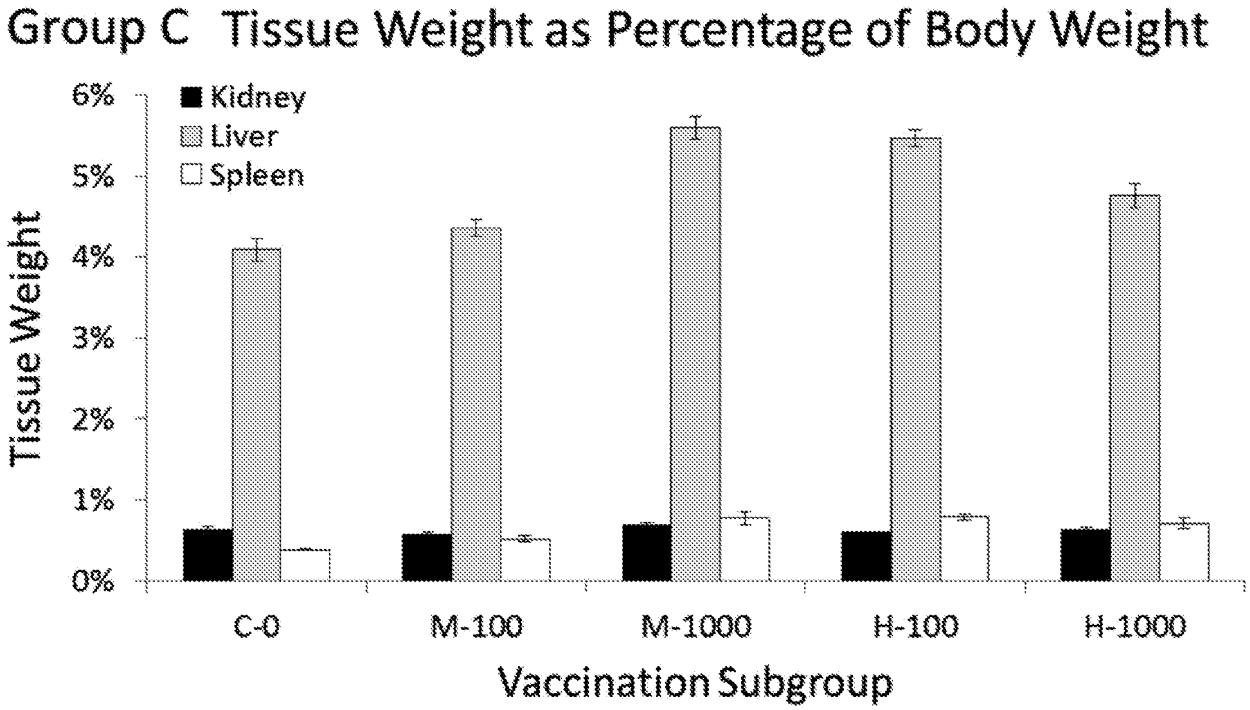

Group C Tissue Weight as Percentage of Body Weight
Kidney
Liver
Spleen
6%
5%
4%
3%
2%
1%
0%
Tissue Weight
C-0
M-100
M-1000
H-100
H-1000
Vaccination Subgroup

FIG. 15

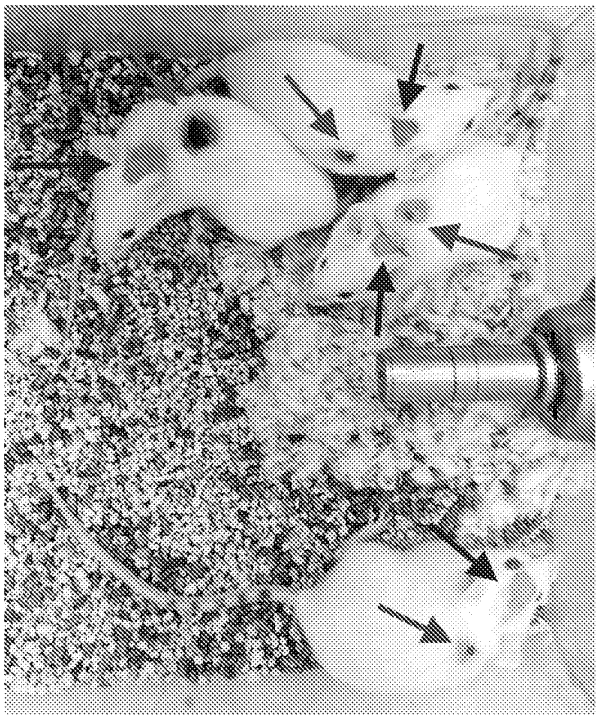


FIG. 16

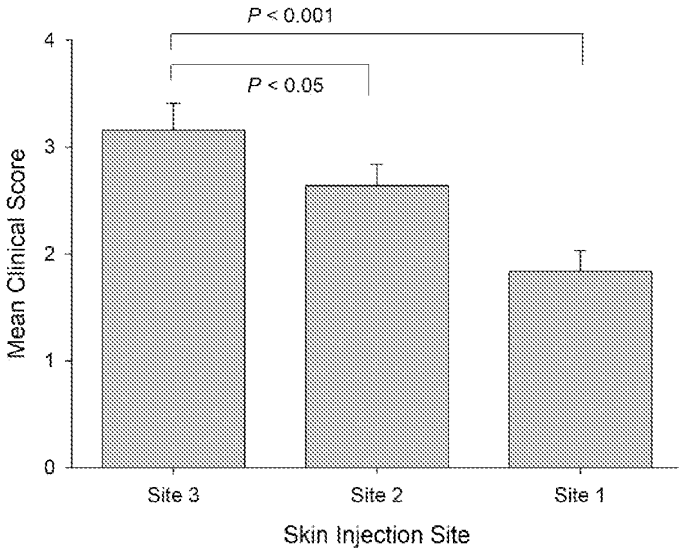

P < 0.001
P < 0.05
Mean Clinical Score
4
3
2
1
0
Site 3
Site 2
Site 1
Skin Injection Site

FIG. 17

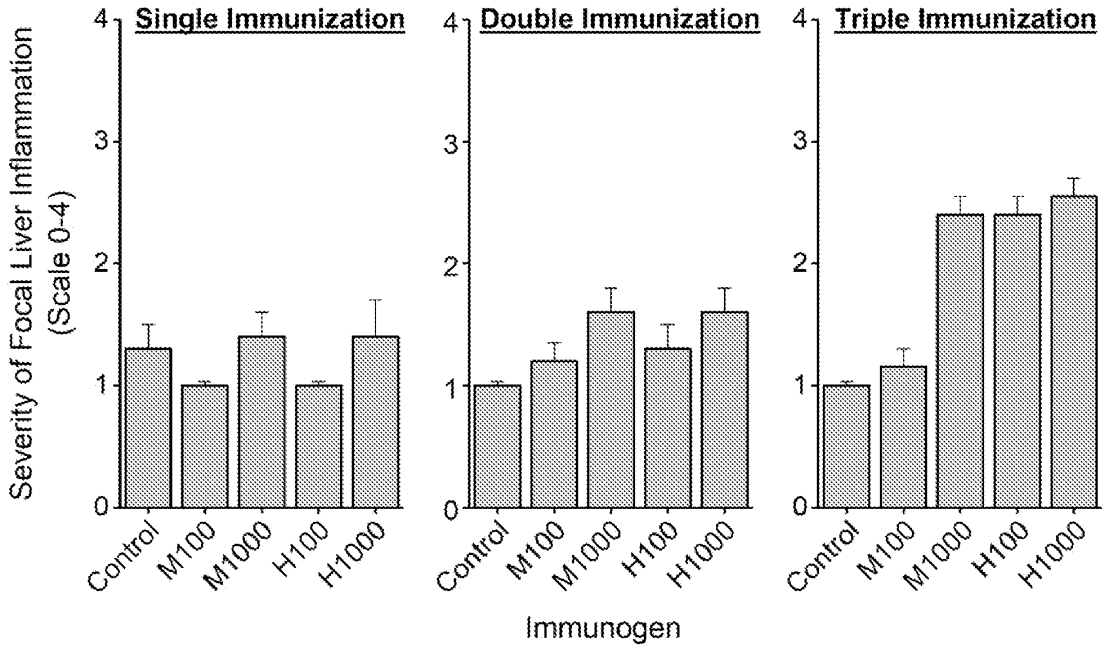
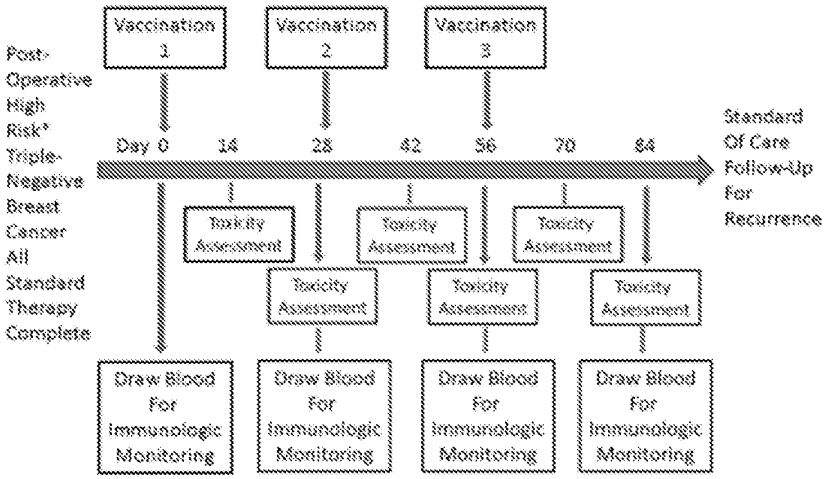

Single Immunization
Double Immunization
Triple Immunization
Severity of Focal Liver Inflammation (Scale 0-4)
0
1
2
3
4
Control
M100
M1000
H100
H1000
Immunogen

FIG. 18



*Stage IIA-IIIC or residual disease following neo-adjuvant chemotherapy