FIG. 1

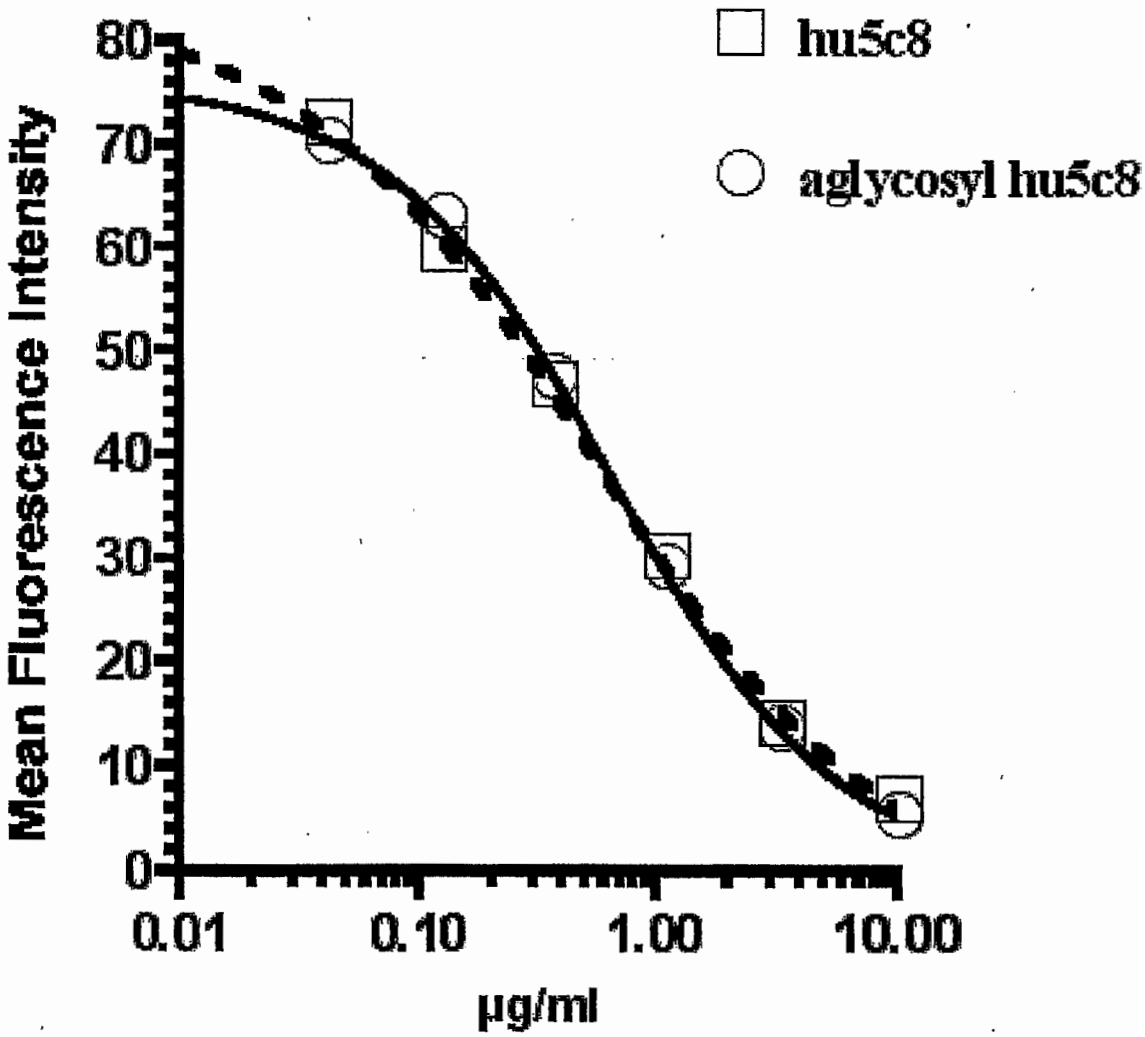
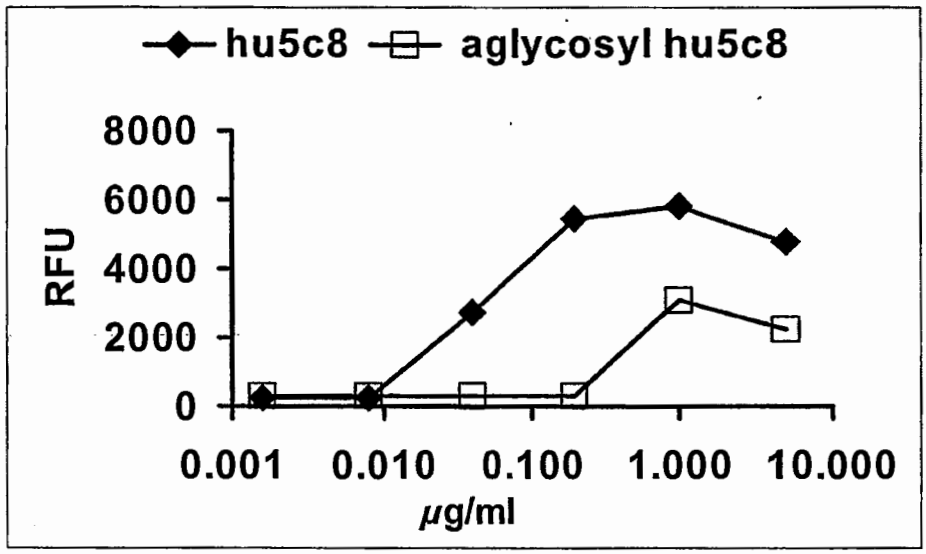

hu5c8
aglycosyl hu5c8
Mean Fluorescence Intensity
80
70
60
50
40
30
20
10
0
0.01
0.10
1.00
10.00
µg/ml

FIG. 2

a


hu5c8
aglycosyl hu5c8
8000
6000
4000
2000
0
RFU
0.001
0.010
0.100
1.000
10.000
μg/ml

b

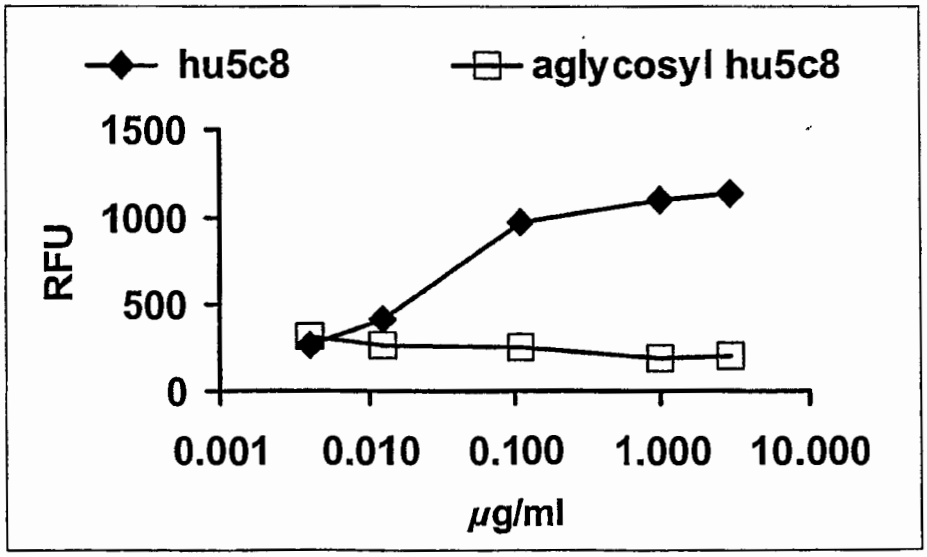

hu5c8
aglycosyl hu5c8
1500
1000
500
0
RFU
0.001
0.010
0.100
1.000
10.000
μg/ml

FIG. 3

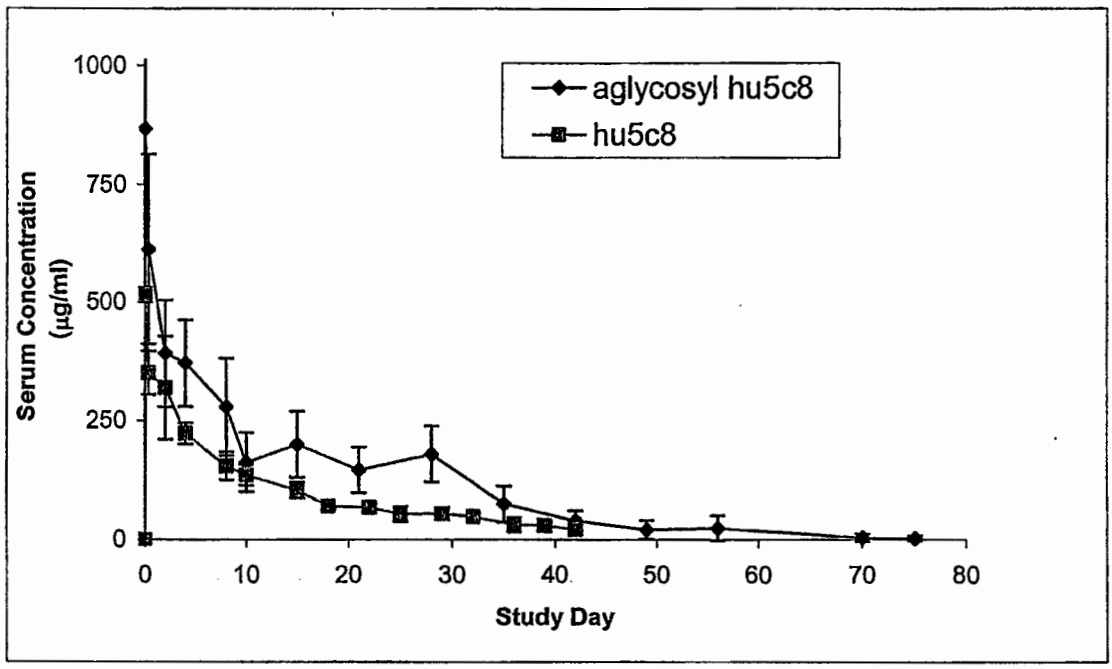

aglycosyl hu5c8
hu5c8
Serum Concentration (µg/ml)
1000
750
500
250
0
0
10
20
30
40
50
60
70
80
Study Day

FIG. 4

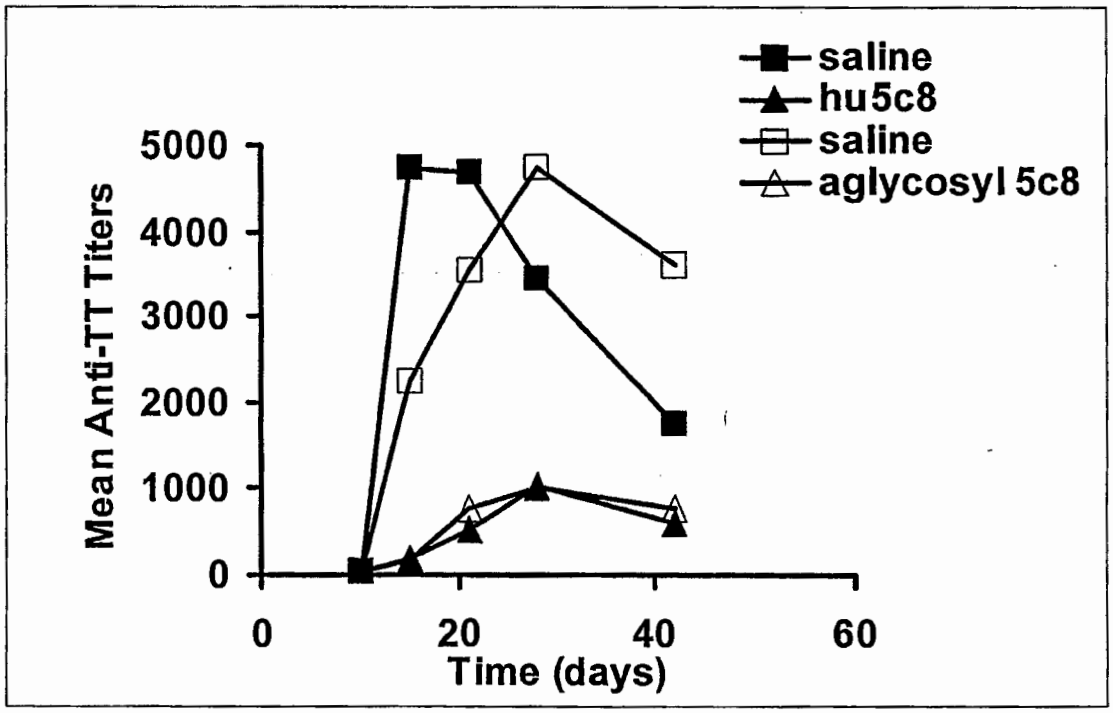

saline
hu5c8
saline
aglycosyl 5c8
Mean Anti-TT Titers
5000
4000
3000
2000
1000
0
0
20
40
60
Time (days)

FIG. 5

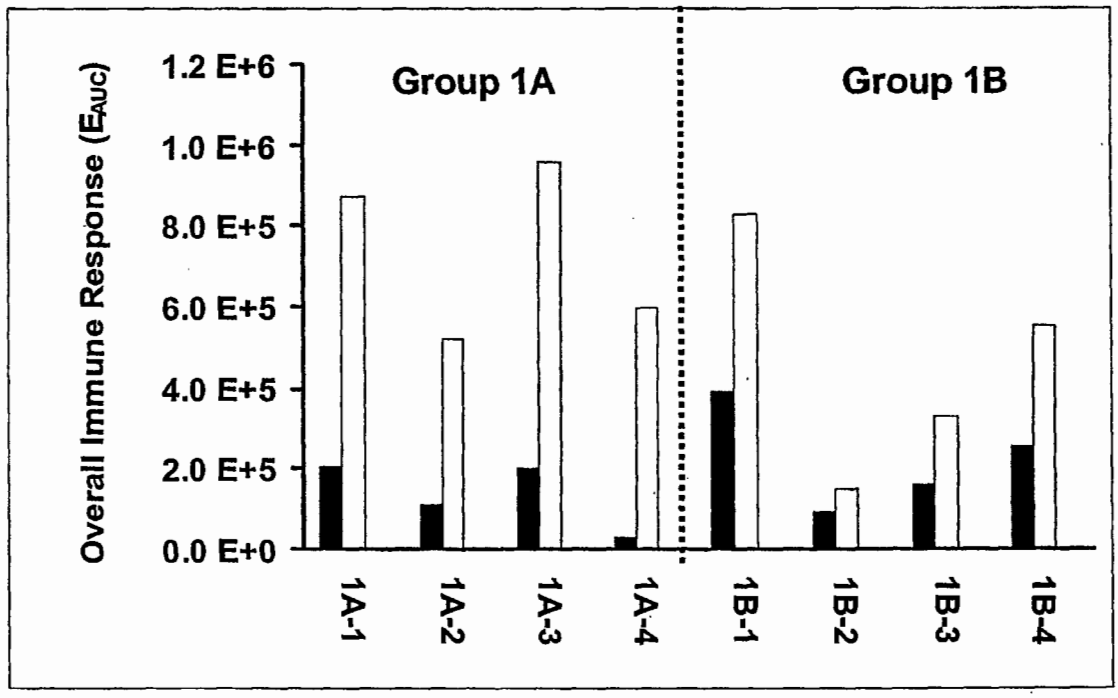

Overall Immune Response (E_{AUC})
1.2 E+6
1.0 E+6
8.0 E+5
6.0 E+5
4.0 E+5
2.0 E+5
0.0 E+0
Group 1A
Group 1B
1A-1
1A-2
1A-3
1A-4
1B-1
1B-2
1B-3
1B-4

FIG. 6

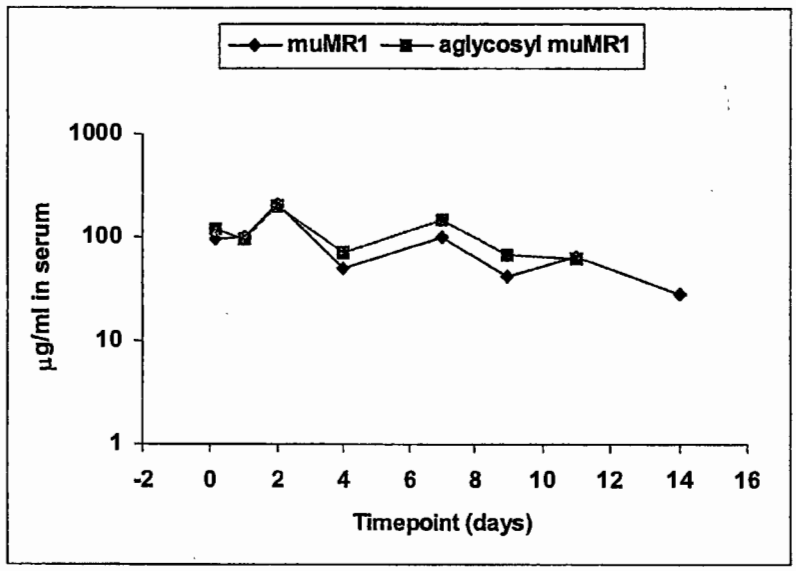
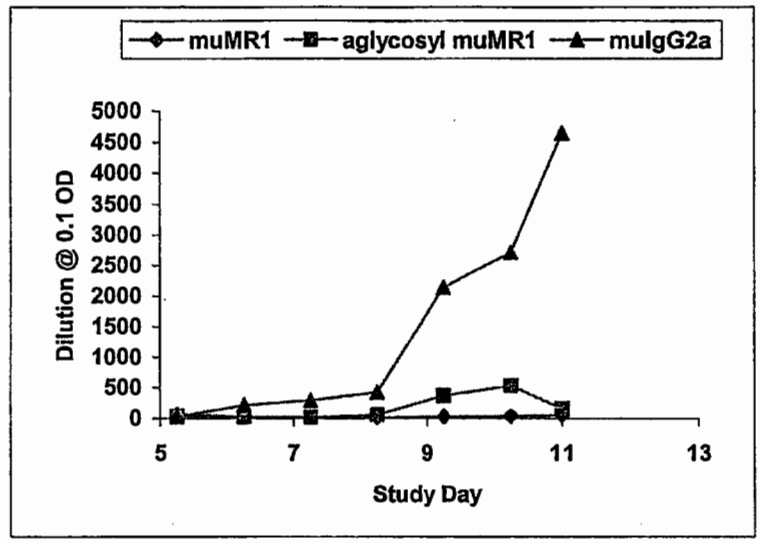

muMR1
aglycosyl muMR1
1000
100
10
1
µg/ml in serum
-2
0
2
4
6
8
10
12
14
16
Timepoint (days)

FIG. 7

A


muMR1
aglycosyl muMR1
muIgG2a
Dilution @ 0.1 OD
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
5
7
9
11
13
Study Day

B

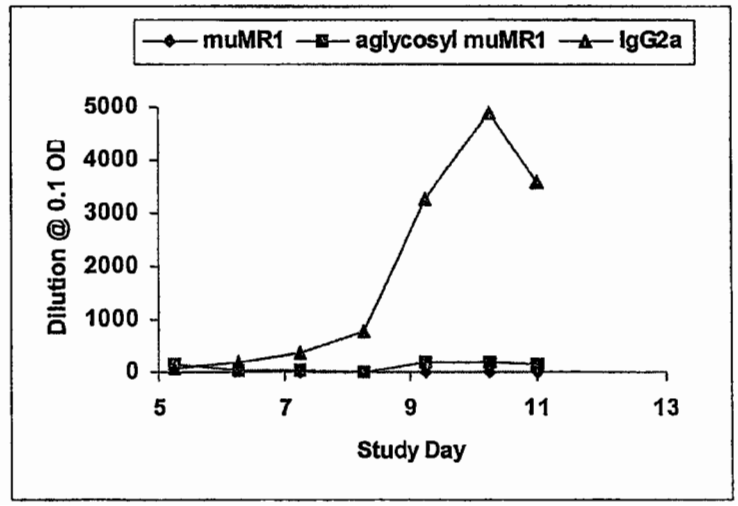

muMR1
aglycosyl muMR1
IgG2a
Dilution @ 0.1 OD
5000
4000
3000
2000
1000
0
5
7
9
11
13
Study Day

FIG. 8

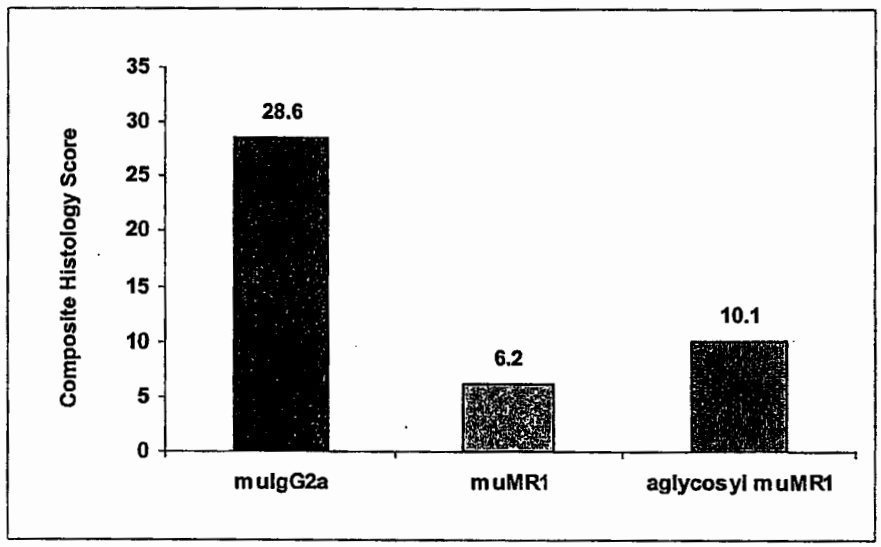

Composite Histology Score
35
30
25
20
15
10
5
0
28.6
6.2
10.1
muIgG2a
muMR1
aglycosyl muMR1

FIG. 9

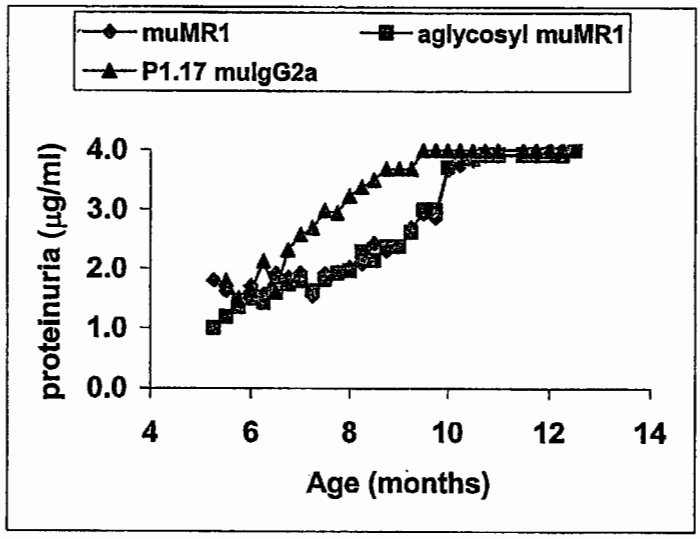

muMR1
aglycosyl muMR1
P1.17 mulgG2a
proteinuria (µg/ml)
4.0
3.0
2.0
1.0
0.0
4
6
8
10
12
14
Age (months)

FIG. 10

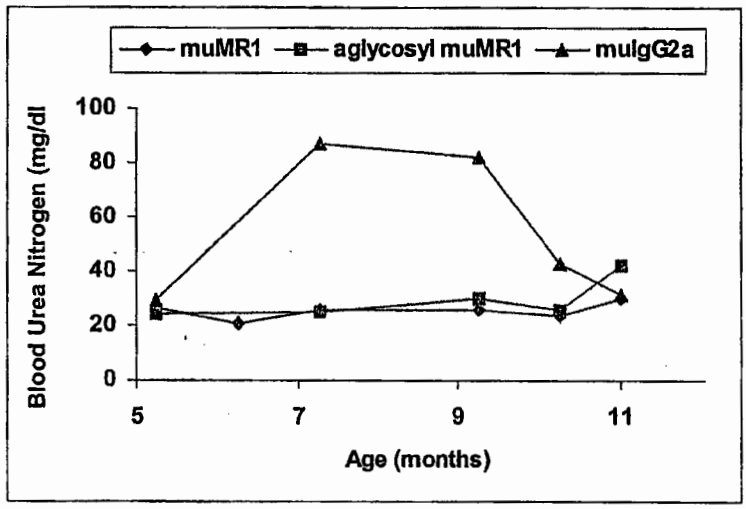

muMR1
aglycosyl muMR1
mulgG2a
Blood Urea Nitrogen (mg/dl
100
80
60
40
20
0
5
7
9
11
Age (months)

FIG. 11

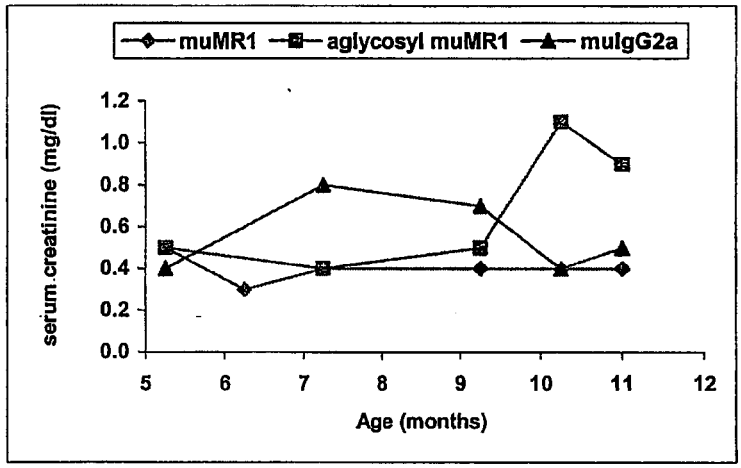

muMR1
aglycosyl muMR1
mulgG2a
serum creatinine (mg/dl)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
5
6
7
8
9
10
11
12
Age (months)

FIG. 12

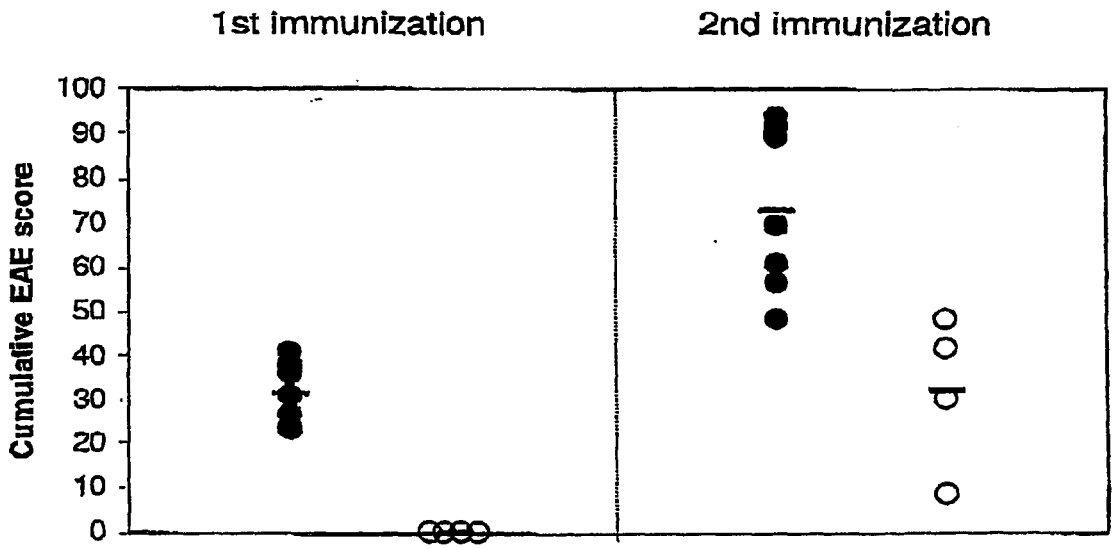

1st immunization
2nd immunization
Cumulative EAE score
100
90
80
70
60
50
40
30
20
10
0

FIG. 13

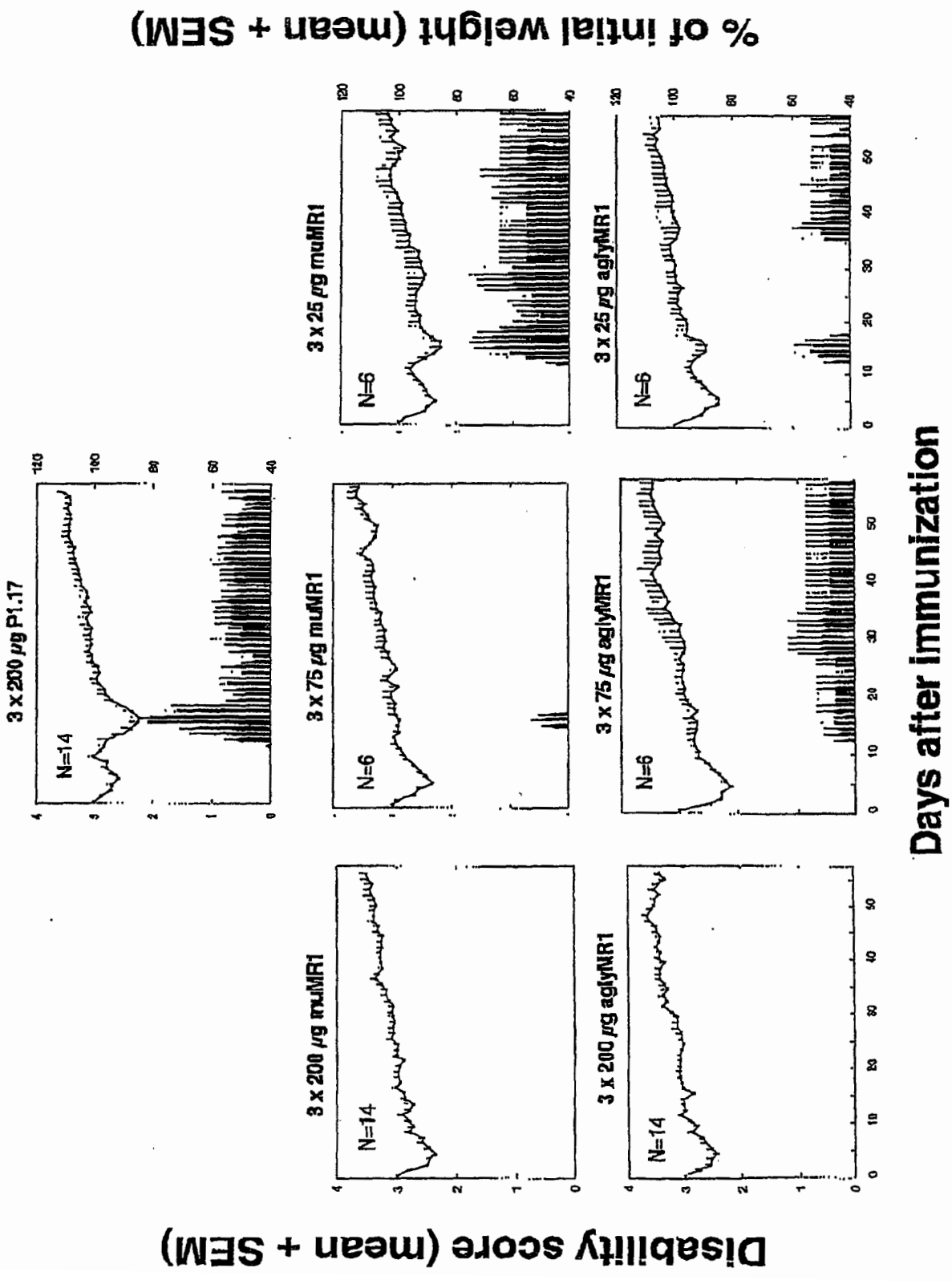
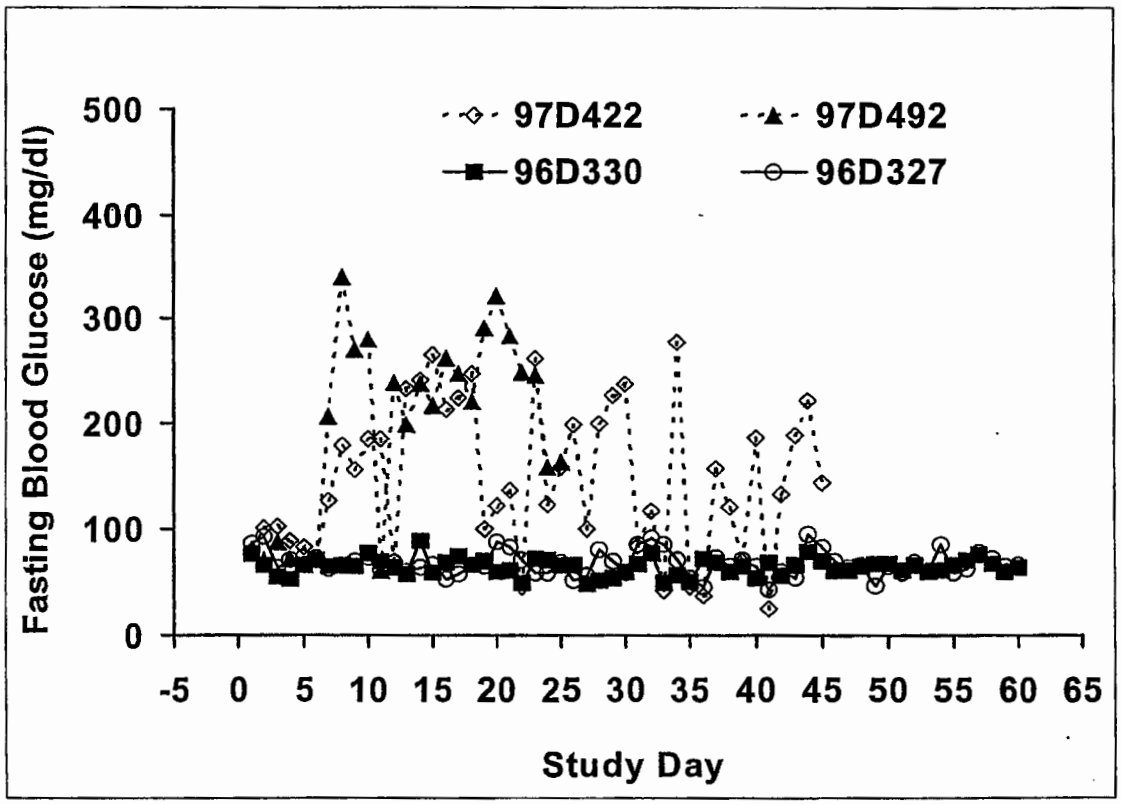

% of intial weight (mean + SEM)
3 x 200 µg P1.17
N=14
3 x 25 µg muMR1
N=6
3 x 25 µg aglyMR1
N=6
3 x 75 µg muMR1
N=6
3 x 75 µg aglyMR1
N=6
3 x 200 µg muMR1
N=14
3 x 200 µg aglyMR1
N=14
Disability score (mean + SEM)
Days after immunization

FIG. 14


97D422
97D492
96D330
96D327
Fasting Blood Glucose (mg/dl)
500
400
300
200
100
0
-5
0
5
10
15
20
25
30
35
40
45
50
55
60
65
Study Day