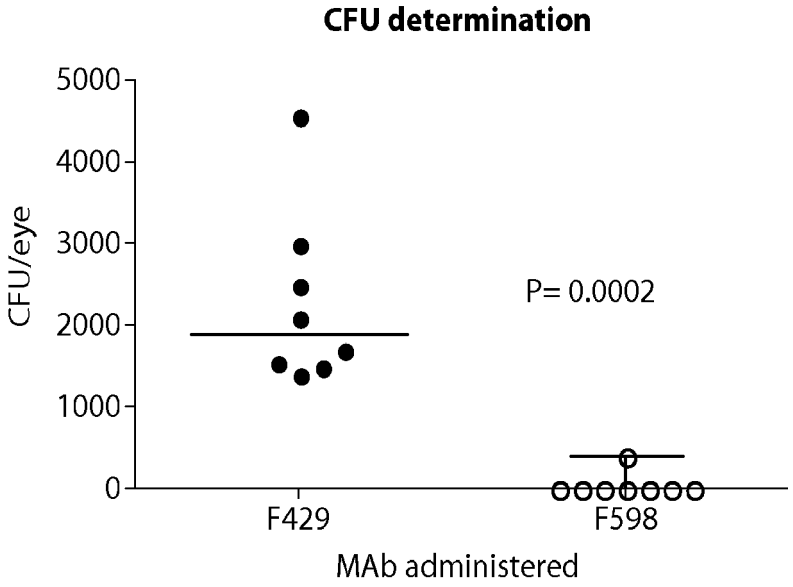

CFU determination
5000
4000
3000
2000
1000
0
CFU/eye
P= 0.0002
F429
F598
MAb administered

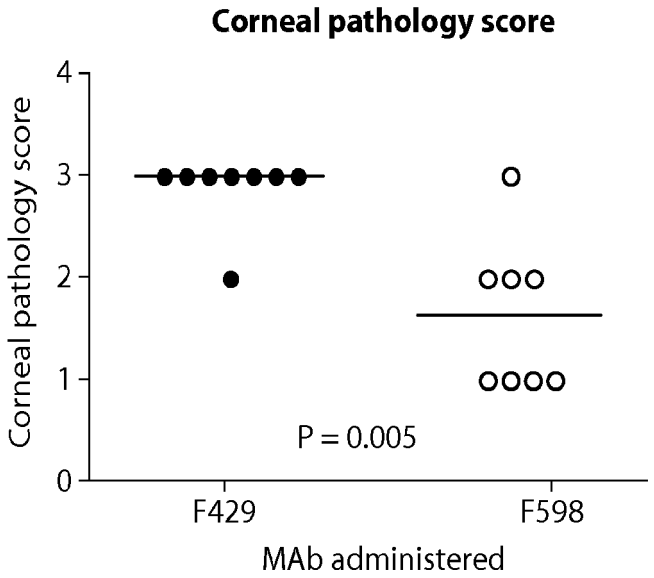

Corneal pathology score
4
3
2
1
0
Corneal pathology score
P = 0.005
F429
F598
MAb administered

Fig. 1

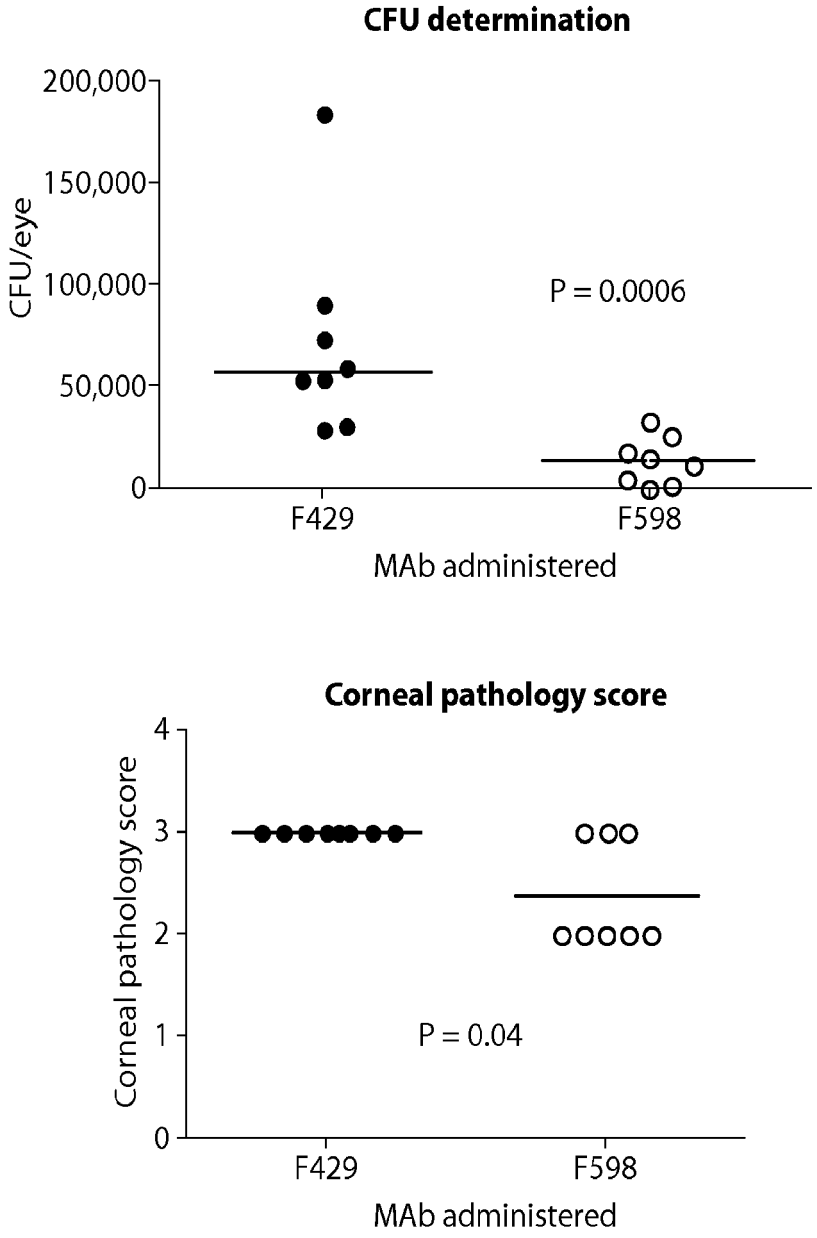

CFU determination
200,000
150,000
100,000
50,000
0
CFU/eye
P = 0.0006
F429
F598
MAb administered
Corneal pathology score
4
3
2
1
0
Corneal pathology score
P = 0.04
F429
F598
MAb administered

Fig. 2

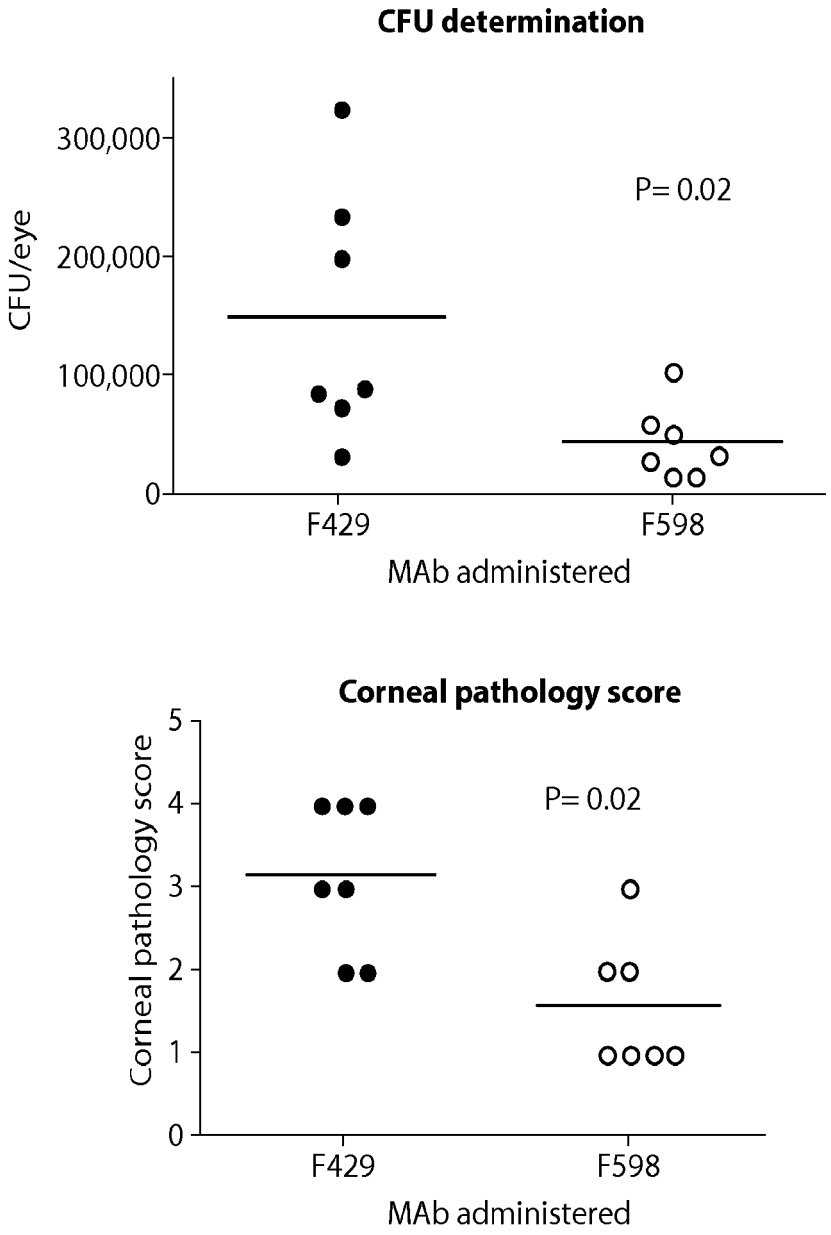
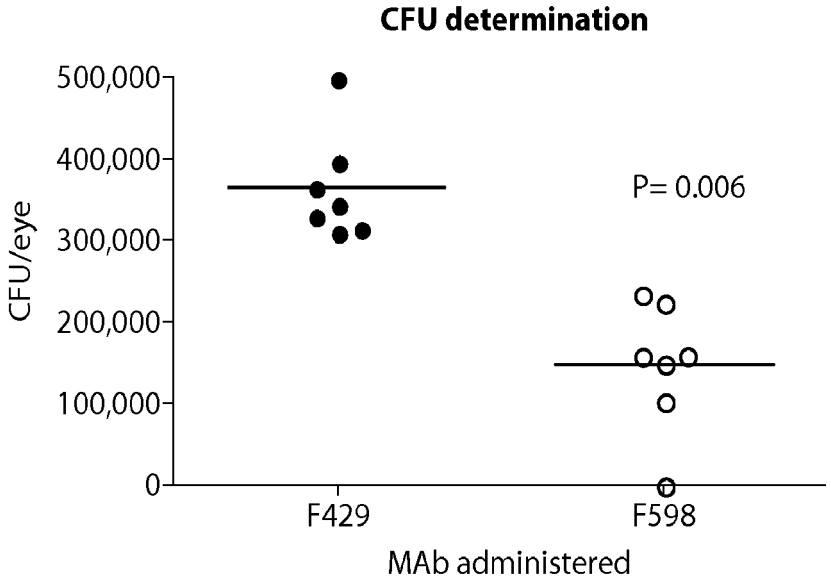

CFU determination
CFU/eye
300,000
200,000
100,000
0
P= 0.02
F429
F598
MAb administered
Corneal pathology score
Corneal pathology score
5
4
3
2
1
0
P= 0.02
F429
F598
MAb administered

Fig. 3


CFU determination
500,000
400,000
300,000
200,000
100,000
0
CFU/eye
P= 0.006
F429
F598
MAb administered

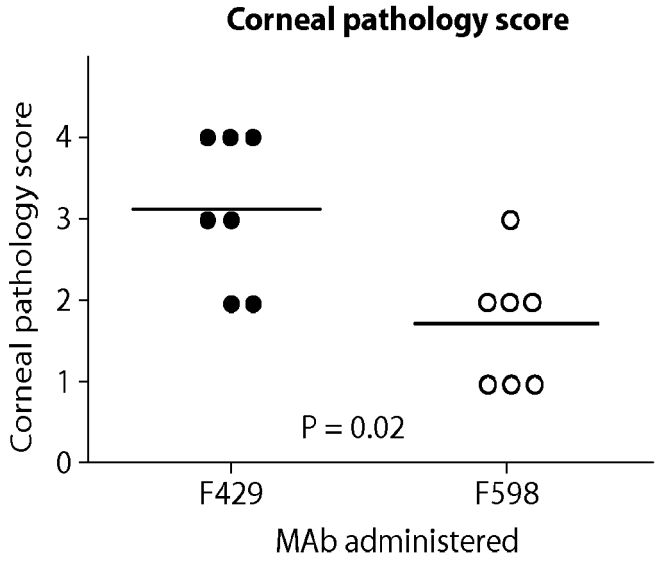

Corneal pathology score
4
3
2
1
0
Corneal pathology score
P = 0.02
F429
F598
MAb administered

Fig. 4

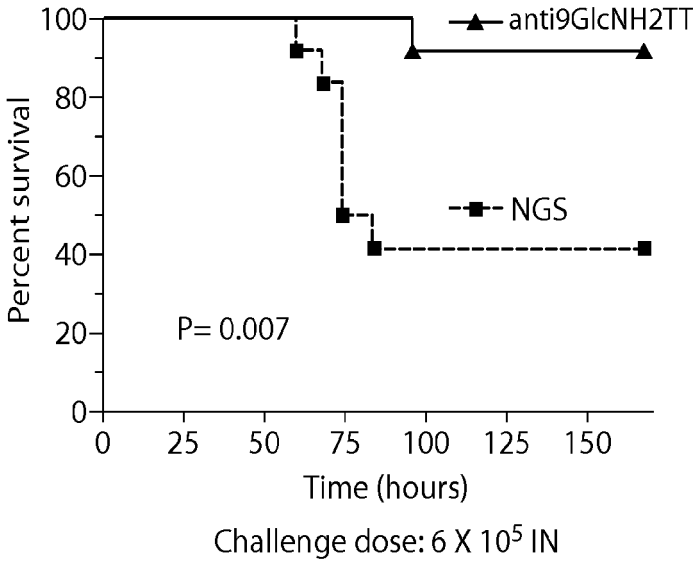

anti9GlcNH2TT
NGS
Percent survival
100
80
60
40
20
0
P= 0.007
0
25
50
75
100
125
150
Time (hours)
Challenge dose: 6 X 10^5 IN

Fig. 5

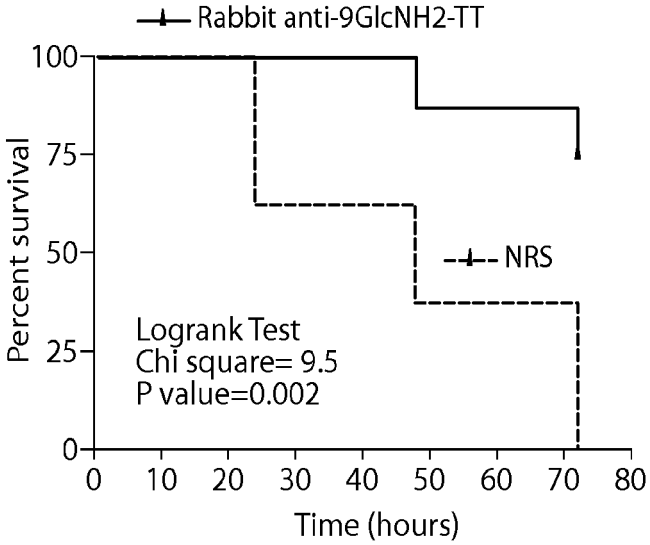

Rabbit anti-9GlcNH2-TT
NRS
Percent survival
100
75
50
25
0
Logrank Test
Chi square= 9.5
P value=0.002
0
10
20
30
40
50
60
70
80
Time (hours)

Fig. 6

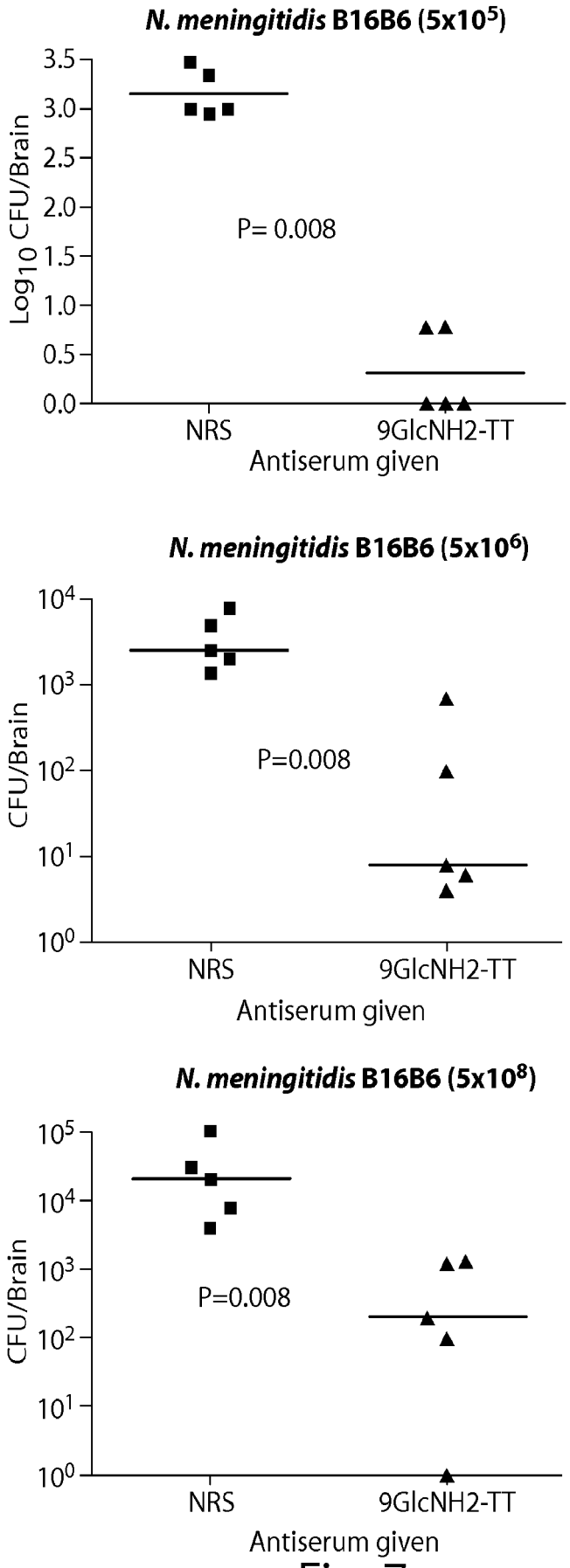

N. meningitidis B16B6 (5x10^5)
Log10 CFU/Brain
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
P= 0.008
NRS
9GlcNH2-TT
Antiserum given
N. meningitidis B16B6 (5x10^6)
CFU/Brain
10^4
10^3
10^2
10^1
10^0
P=0.008
NRS
9GlcNH2-TT
Antiserum given
N. meningitidis B16B6 (5x10^8)
CFU/Brain
10^5
10^4
10^3
10^2
10^1
10^0
P=0.008
NRS
9GlcNH2-TT
Antiserum given

Fig. 7

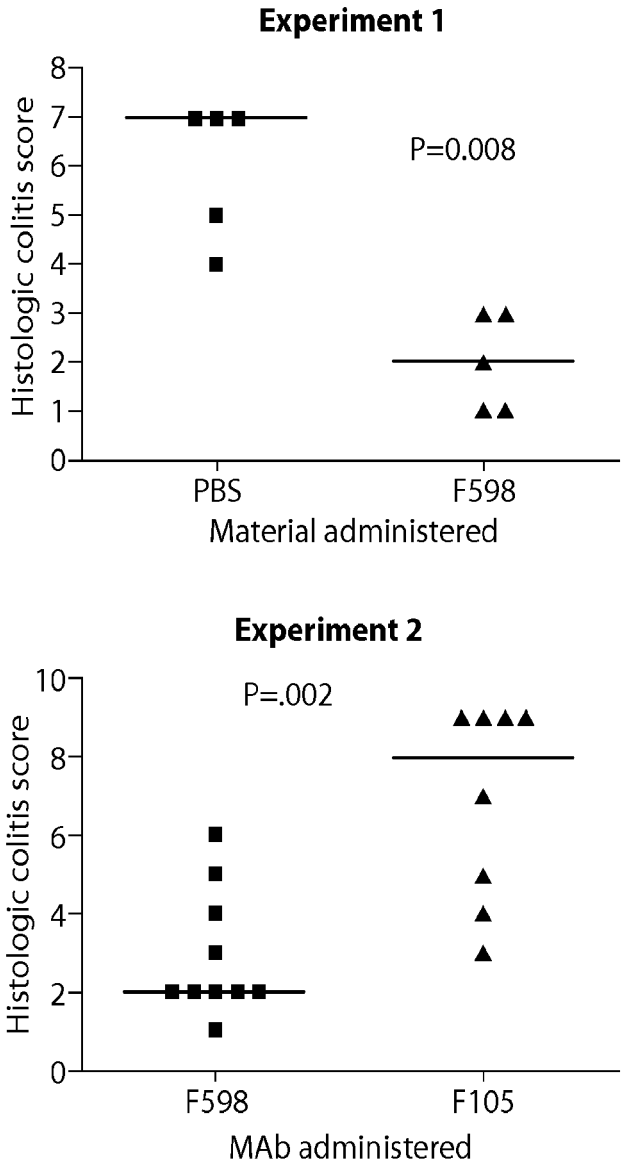

Experiment 1
Histologic colitis score
P=0.008
PBS
F598
Material administered
Experiment 2
P=.002
Histologic colitis score
F598
F105
MAb administered

Fig. 8

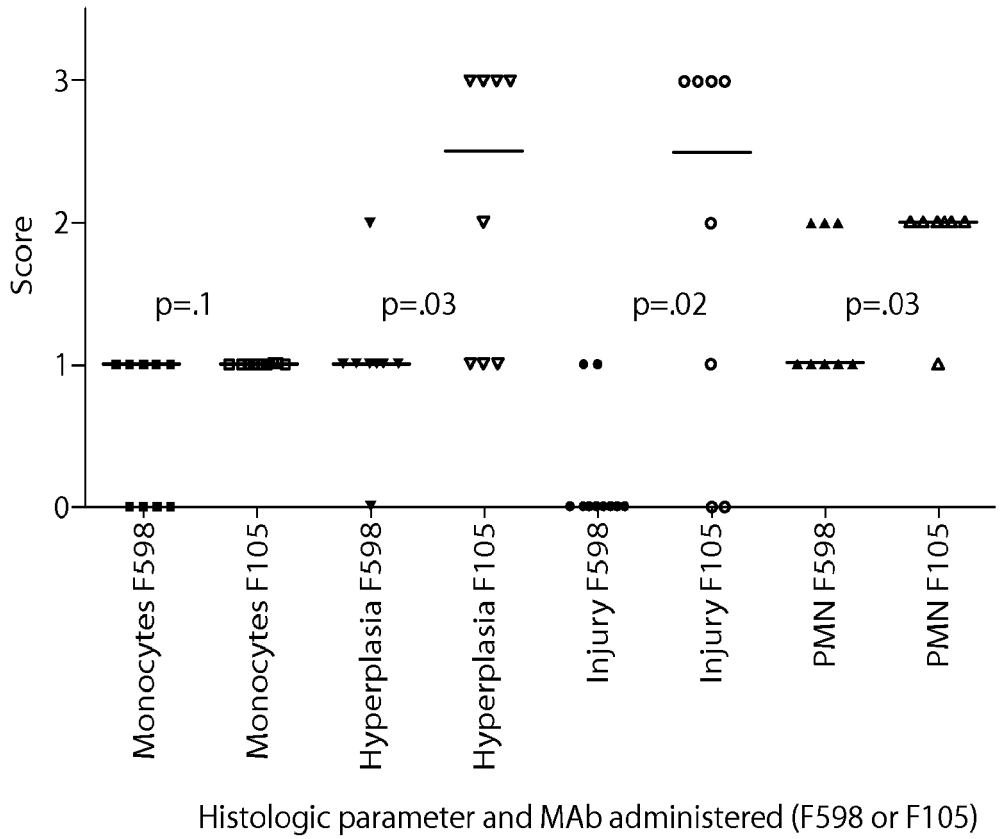
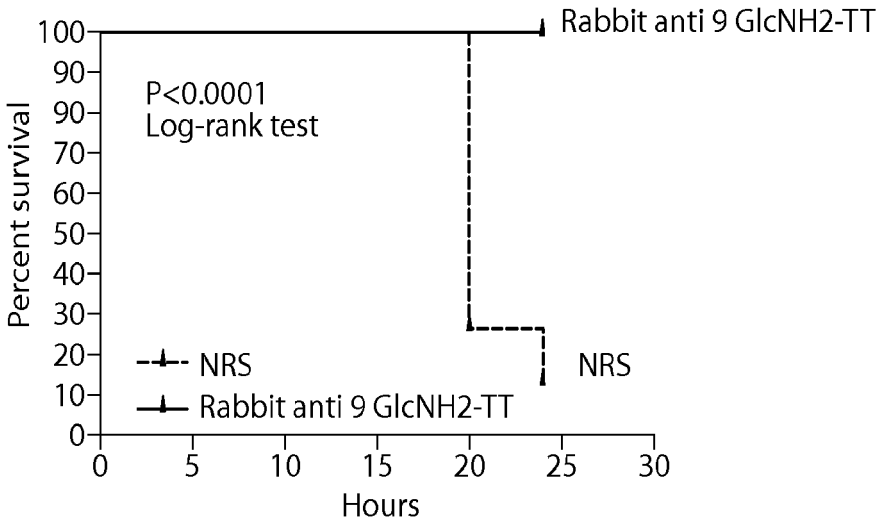

Score
3
2
1
0
p=.1
p=.03
p=.02
p=.03
Monocytes F598
Monocytes F105
Hyperplasia F598
Hyperplasia F105
Injury F598
Injury F105
PMN F598
PMN F105
Histologic parameter and MAb administered (F598 or F105)

Fig. 9



Two to 3 day old infant CD-1 mice
Immunized IP 24h before challenge with 50 µl of either NRS (n=15) or rabbit immune serum raised to the 9GlcNH2-TT conjugate vaccine (n=15)
Challenged IP with *Listeria monocytogenes*
Survival monitored over 24 hr
Overall survival analyzed by Chi-square with Yates correction, P<0.001

Fig. 10

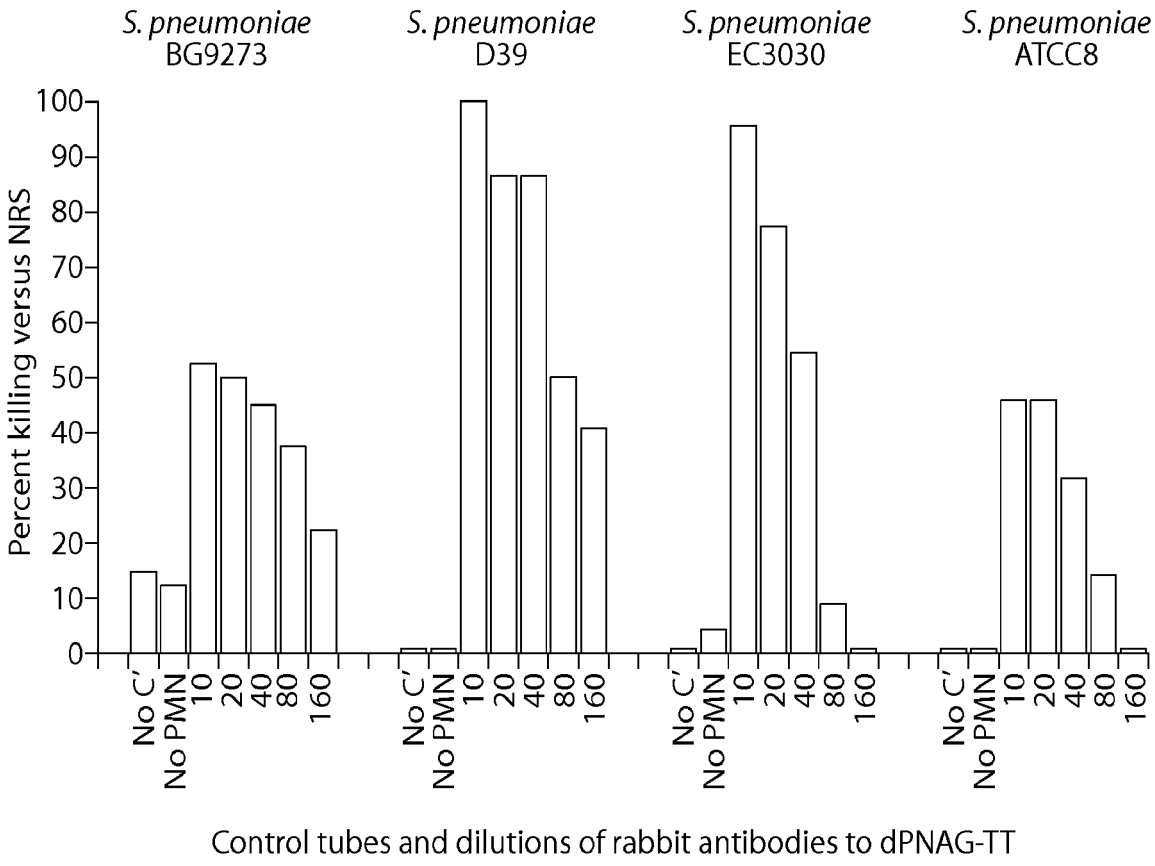

S. pneumoniae BG9273
S. pneumoniae D39
S. pneumoniae EC3030
S. pneumoniae ATCC8
Percent killing versus NRS
100
90
80
70
60
50
40
30
20
10
0
No C'
No PMN
10
20
40
80
160
Control tubes and dilutions of rabbit antibodies to dPNAG-TT

Fig. 11

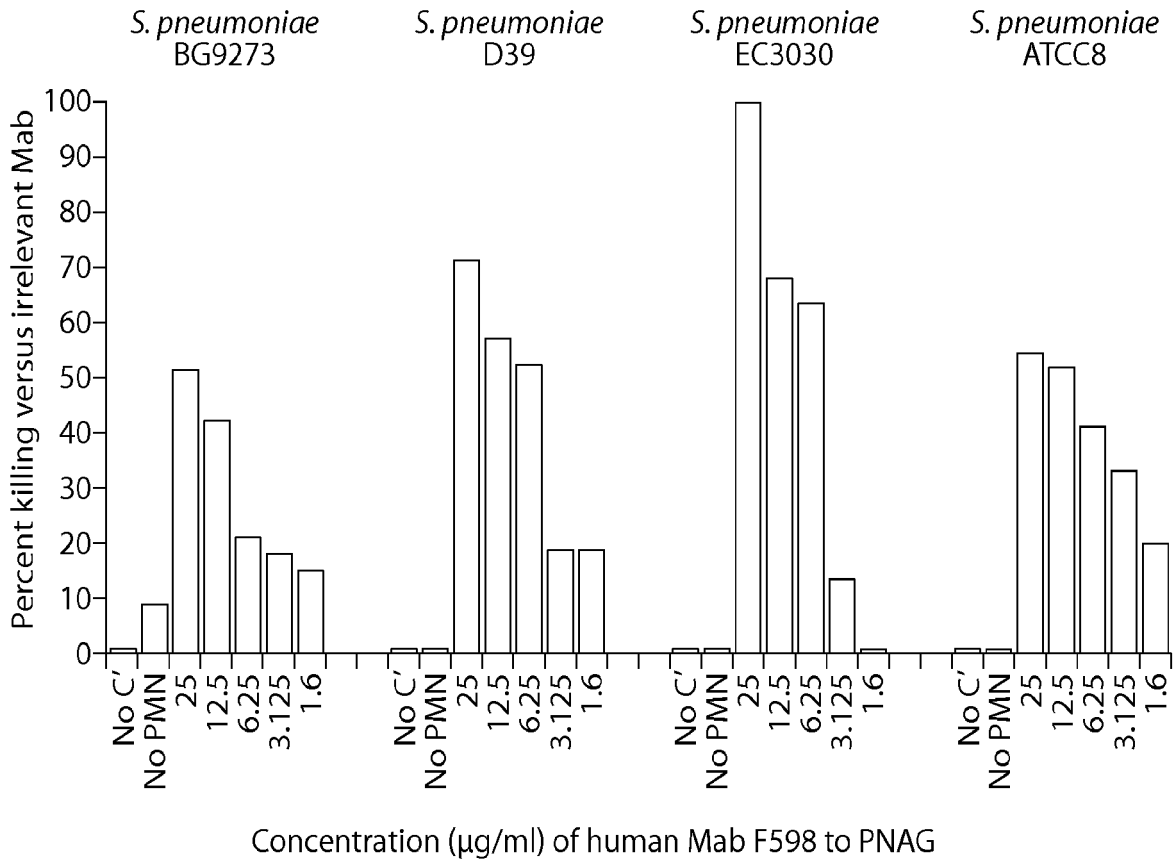

S. pneumoniae BG9273
S. pneumoniae D39
S. pneumoniae EC3030
S. pneumoniae ATCC8
Percent killing versus irrelevant Mab
100
90
80
70
60
50
40
30
20
10
0
No C'
No PMN
25
12.5
6.25
3.125
1.6
Concentration (µg/ml) of human Mab F598 to PNAG

Fig. 12

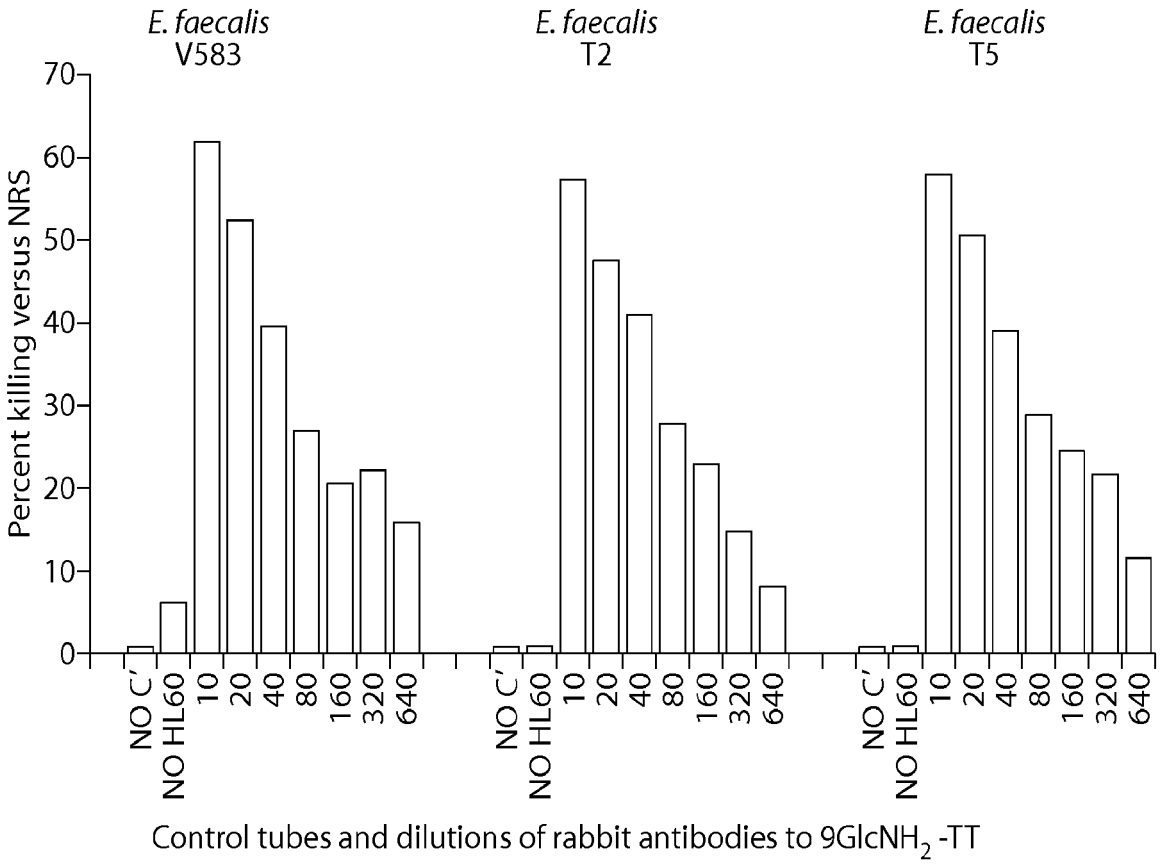

E. faecalis V583
E. faecalis T2
E. faecalis T5
Percent killing versus NRS
70
60
50
40
30
20
10
0
NO C'
NO HL60
10
20
40
80
160
320
640
Control tubes and dilutions of rabbit antibodies to 9GlcNH2 -TT

Fig. 13

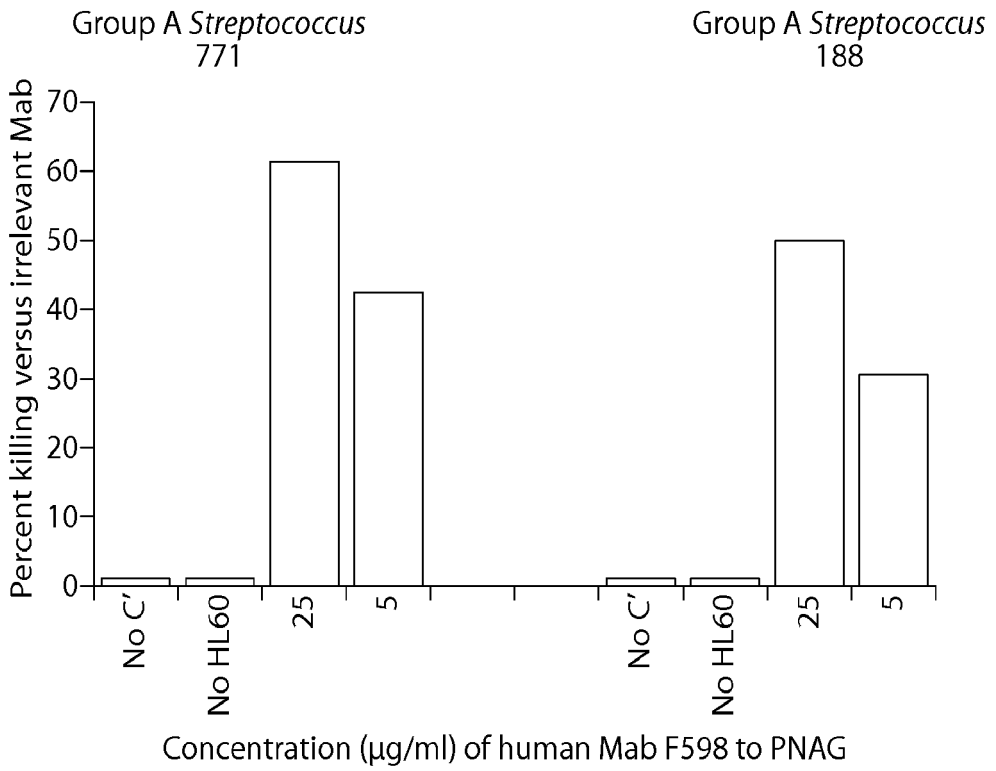

Group A Streptococcus
771
Group A Streptococcus
188
Percent killing versus irrelevant Mab
70
60
50
40
30
20
10
0
No C'
No HL60
25
5
No C'
No HL60
25
5
Concentration (µg/ml) of human Mab F598 to PNAG

Fig. 14

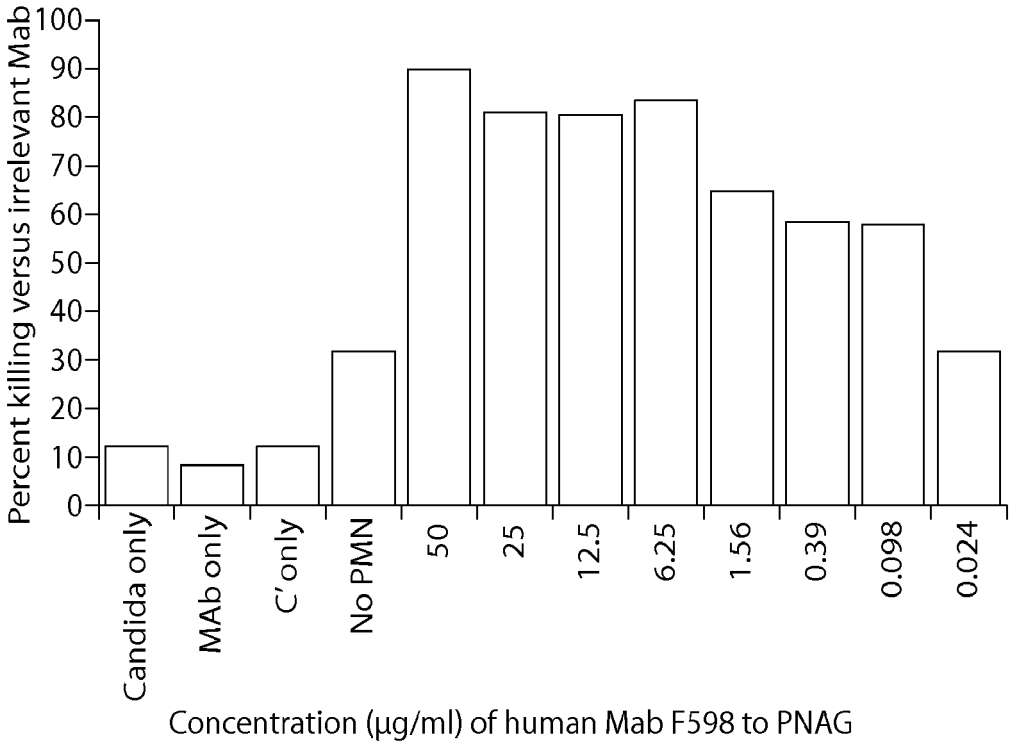

Percent killing versus irrelevant Mab
100
90
80
70
60
50
40
30
20
10
0
Candida only
MAb only
C' only
No PMN
50
25
12.5
6.25
1.56
0.39
0.098
0.024
Concentration (µg/ml) of human Mab F598 to PNAG

Fig. 15

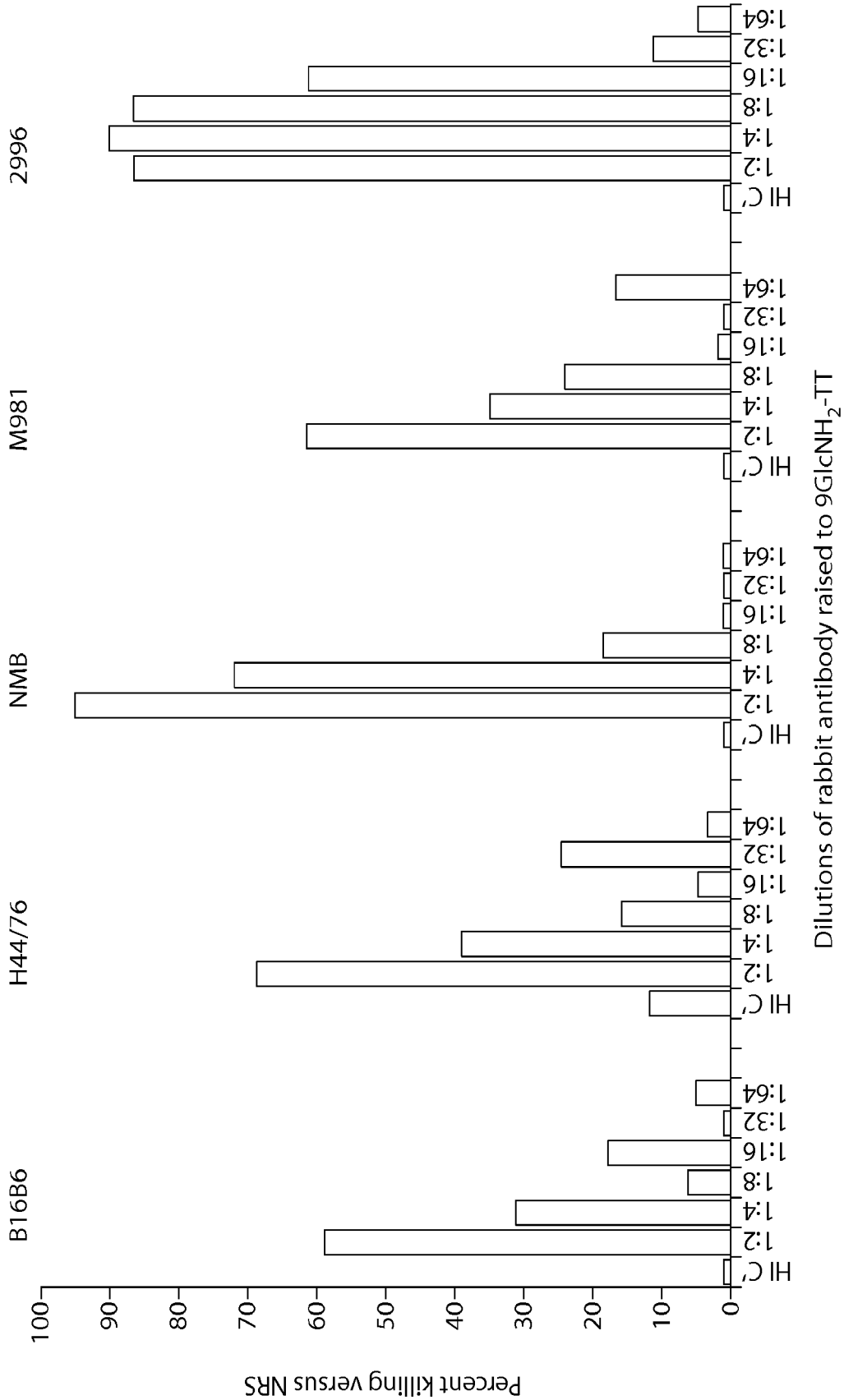

Percent killing versus NRS
100
90
80
70
60
50
40
30
20
10
0
B16B6
H44/76
NMB
M981
2996
HI C'
1:2
1:4
1:8
1:16
1:32
1:64
Dilutions of rabbit antibody raised to 9GlcNH2-TT

Fig. 16

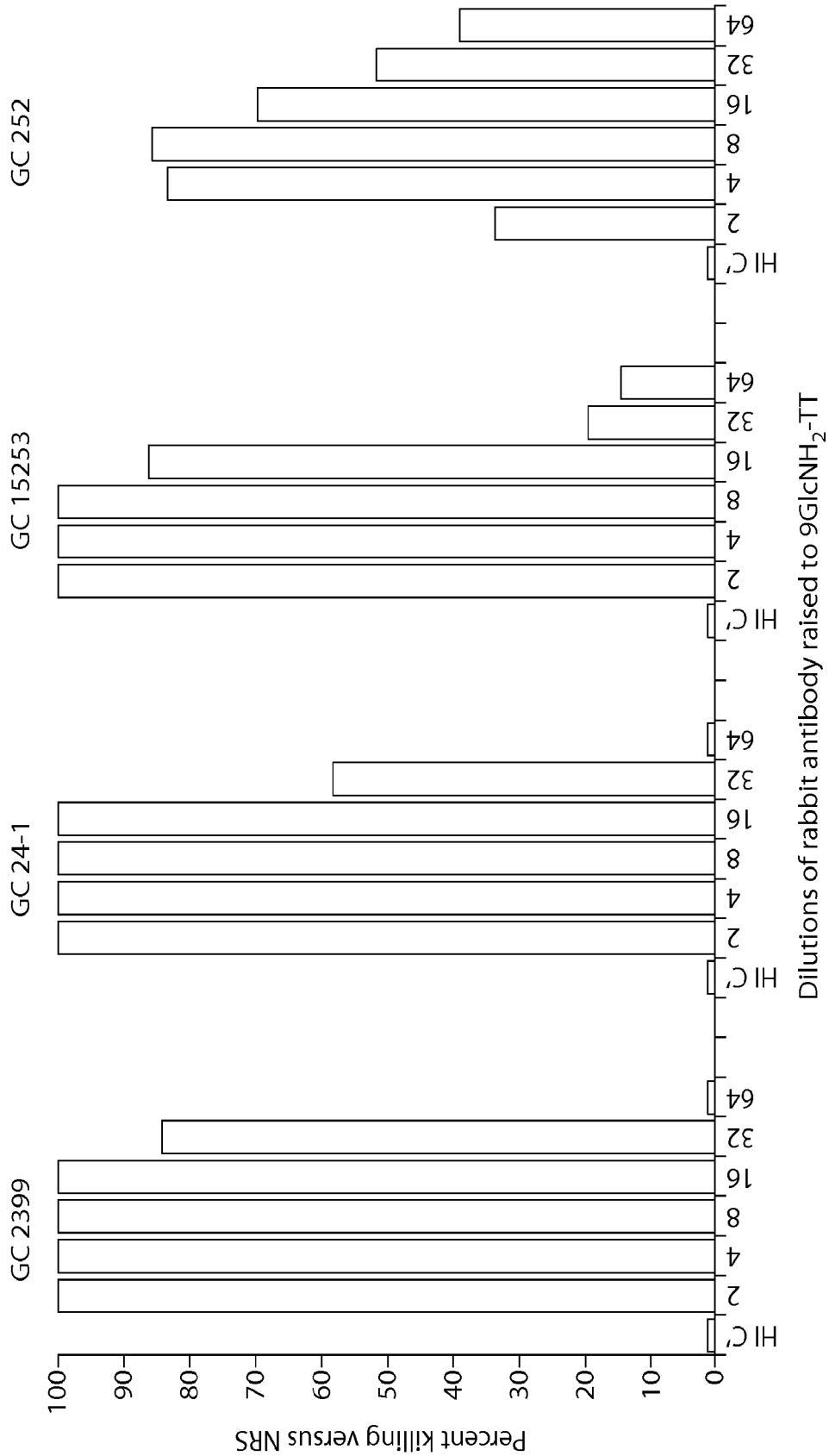

Percent killing versus NRS
100
90
80
70
60
50
40
30
20
10
0
GC 2399
GC 24-1
GC 15253
GC 252
HI C-
2
4
8
16
32
64
Dilutions of rabbit antibody raised to 9GlcNH2-TT

Fig. 17

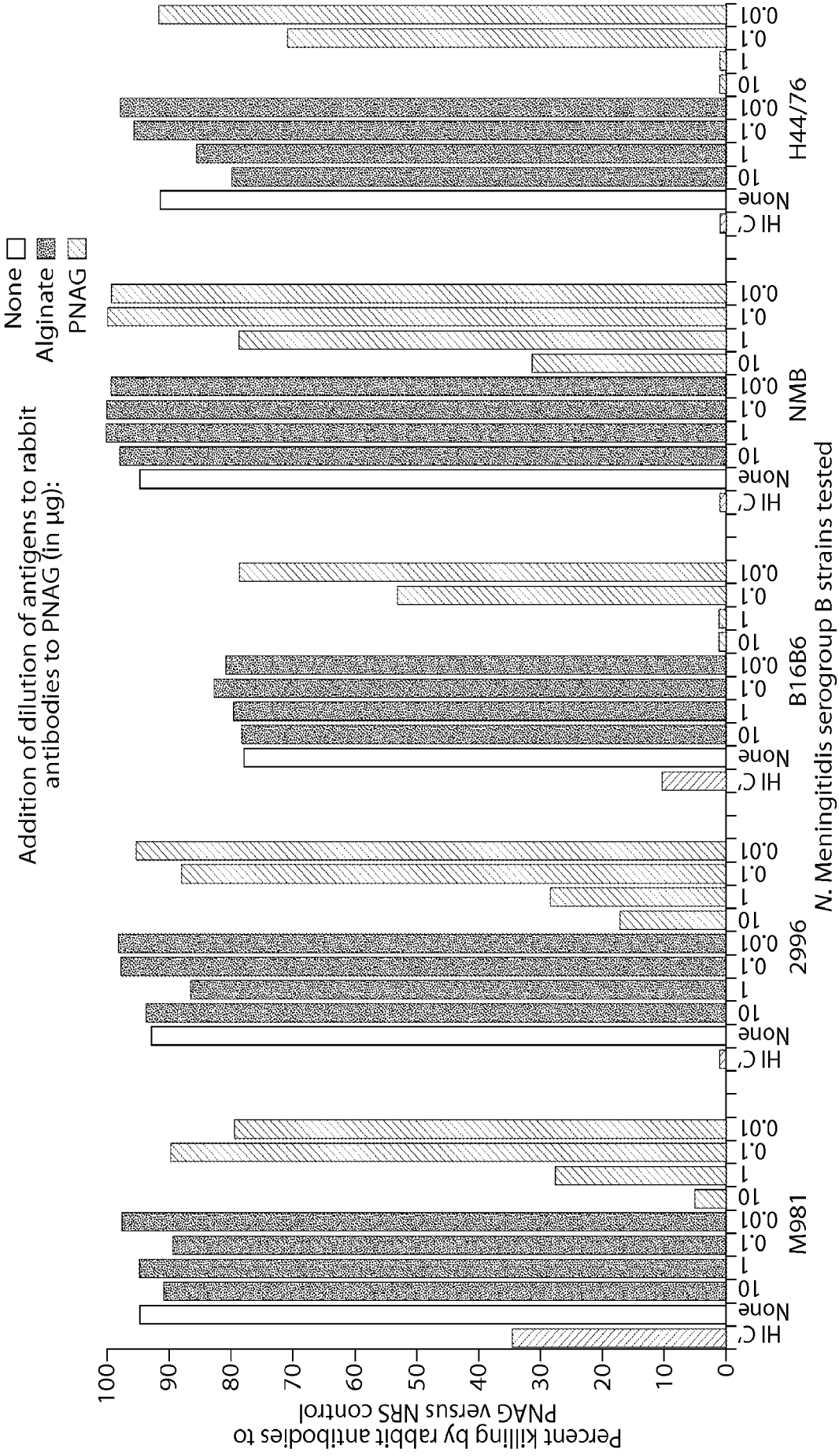

Percent killing by rabbit antibodies to PNAG versus NRS control
0
10
20
30
40
50
60
70
80
90
100
Addition of dilution of antigens to rabbit antibodies to PNAG (in µg):
None
Alginate
PNAG
HI C'
None
10
1
0.1
0.01
M981
2996
B16B6
NMB
H44/76
N. Meningitidis serogroup B strains tested

Fig. 18

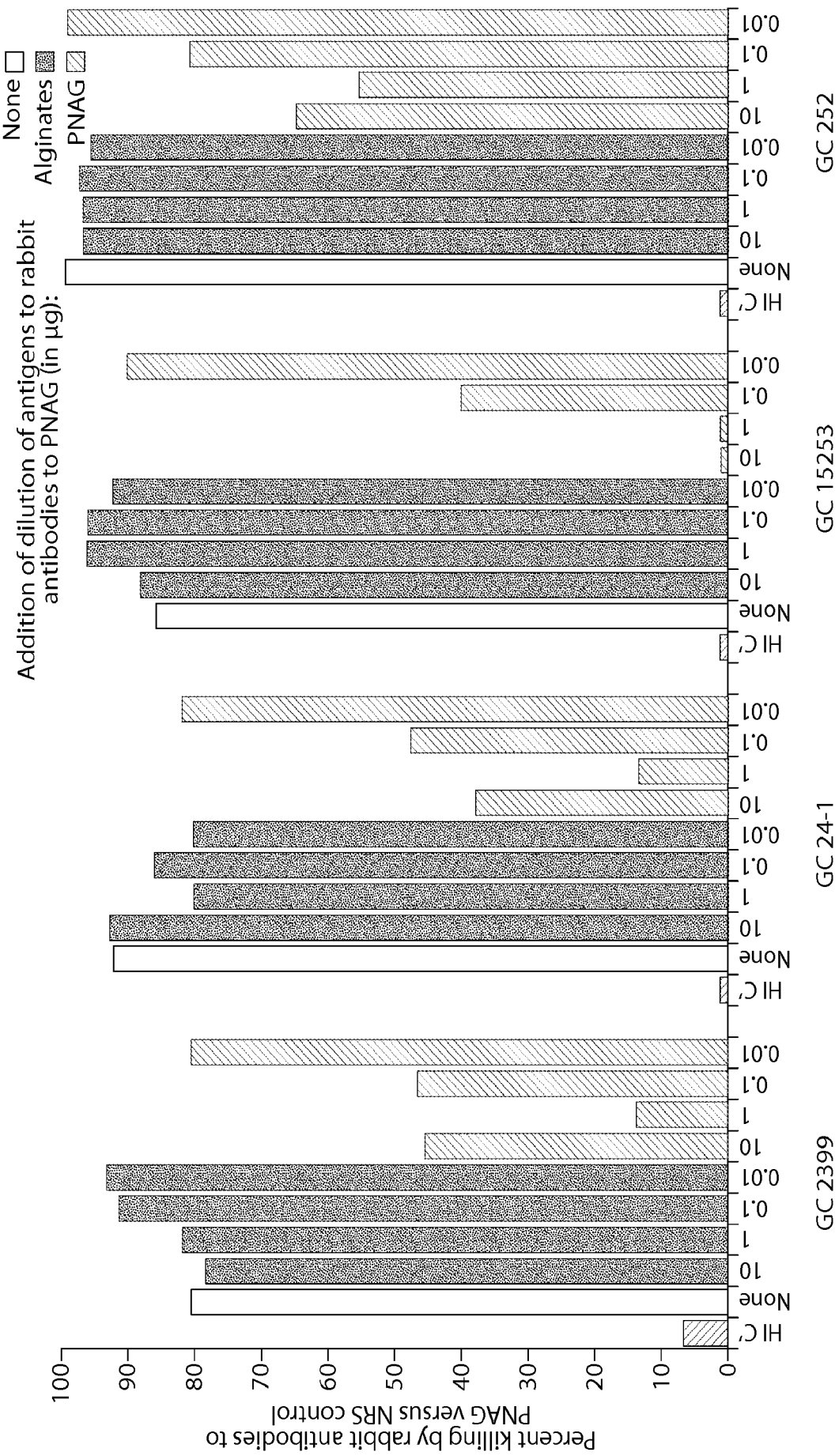

None
Alginates
PNAG
Addition of dilution of antigens to rabbit antibodies to PNAG (in µg):
Percent killing by rabbit antibodies to PNAG versus NRS control
100
90
80
70
60
50
40
30
20
10
0
HI C'
None
10
1
0.1
0.01
GC 2399
GC 24-1
GC 15253
GC 252
Strains tested

Fig. 19