FIG. 1A

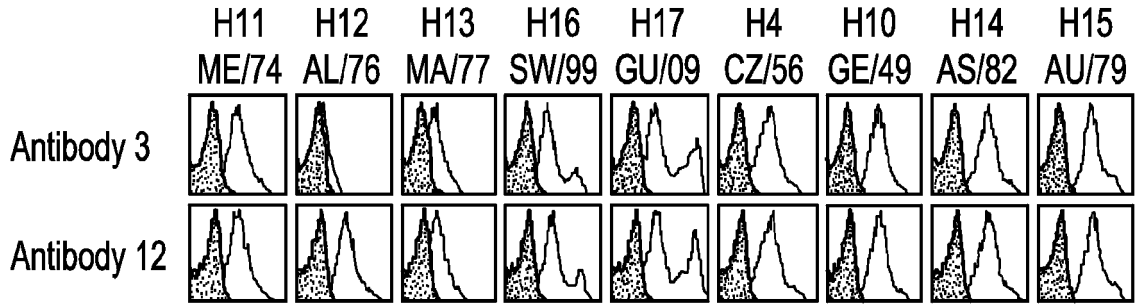


FIG. 1B

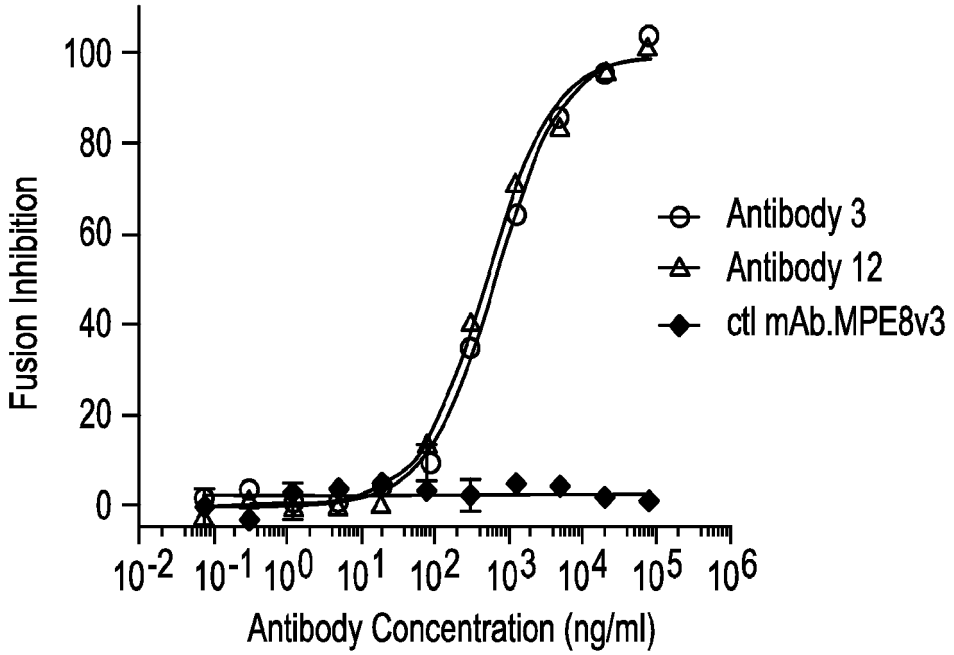


FIG. 1C

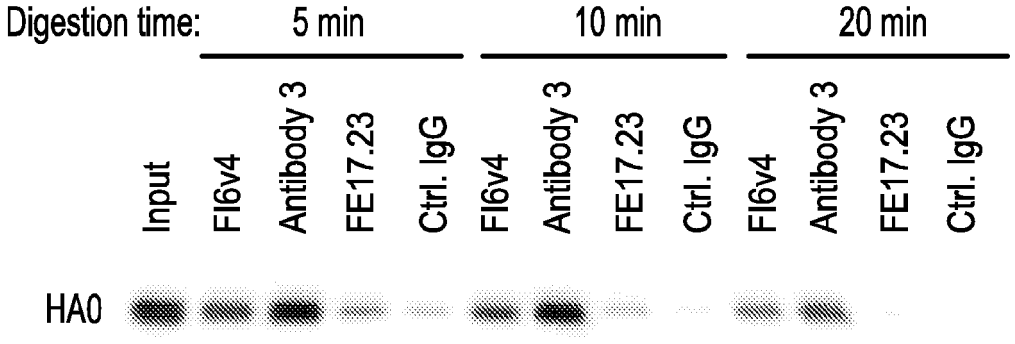


FIG. 1D

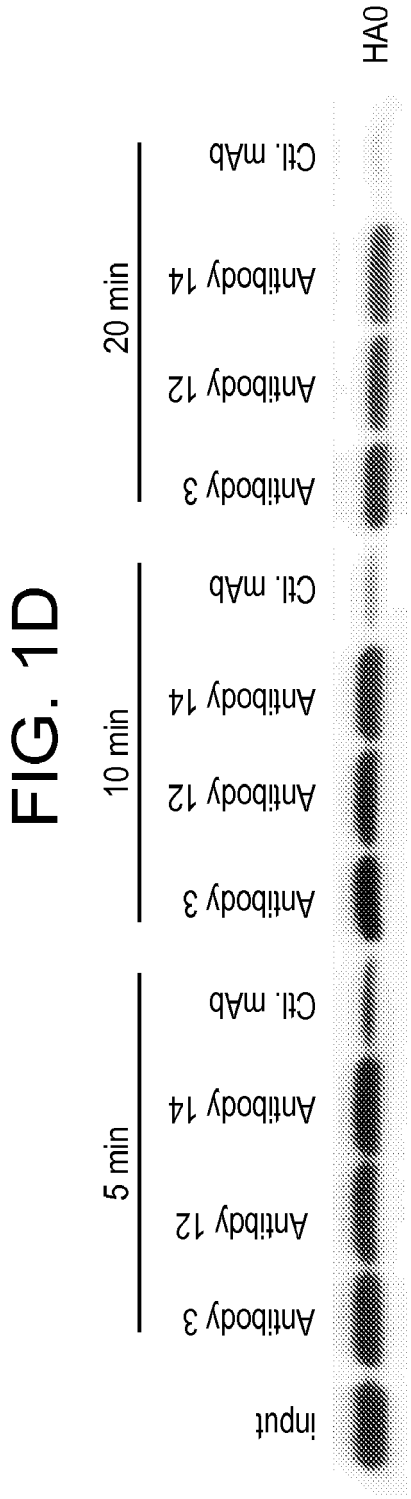

HA0
5 min
10 min
20 min
input
Antibody 3
Antibody 12
Antibody 14
Ctl. mAb
Antibody 3
Antibody 12
Antibody 14
Ctl. mAb
Antibody 3
Antibody 12
Antibody 14
Ctl. mAb

Figure 2

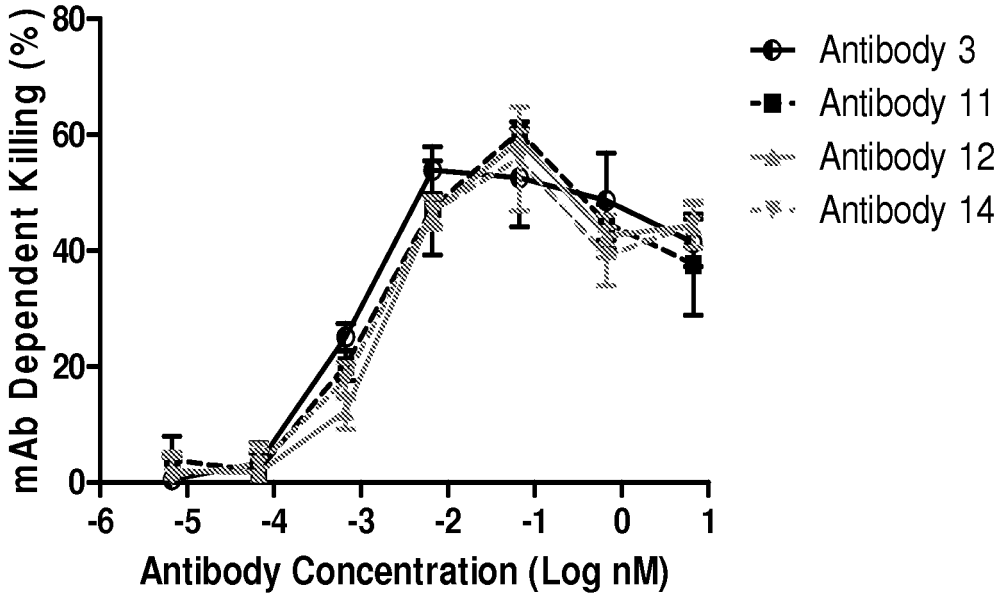

mAb Dependent Killing (%)
80
60
40
20
0
-6
-5
-4
-3
-2
-1
0
1
Antibody Concentration (Log nM)
Antibody 3
Antibody 11
Antibody 12
Antibody 14

Figure 3

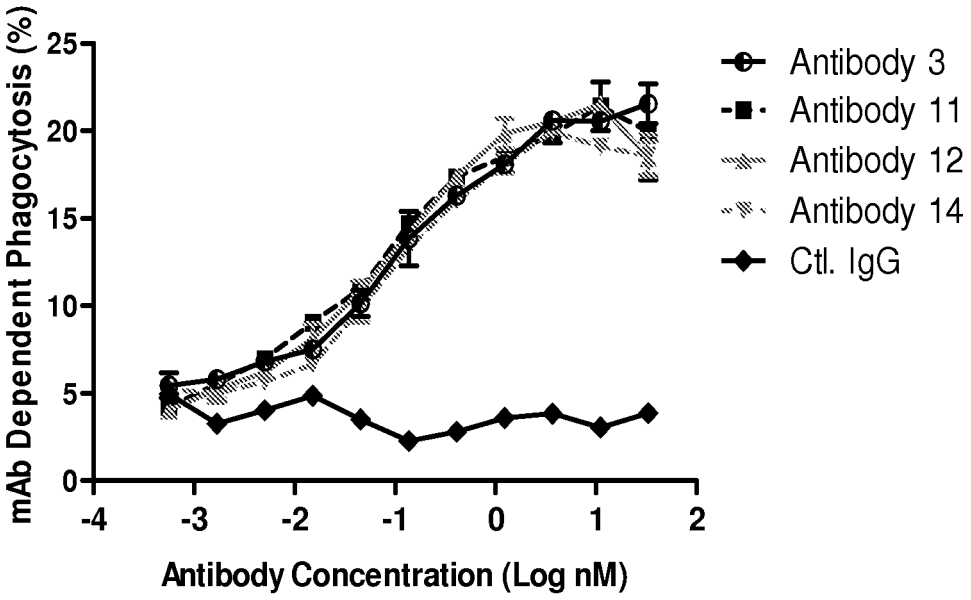

mAb Dependent Phagocytosis (%)
25
20
15
10
5
0
-4
-3
-2
-1
0
1
2
Antibody Concentration (Log nM)
Antibody 3
Antibody 11
Antibody 12
Antibody 14
Ctl. IgG

Figure 4

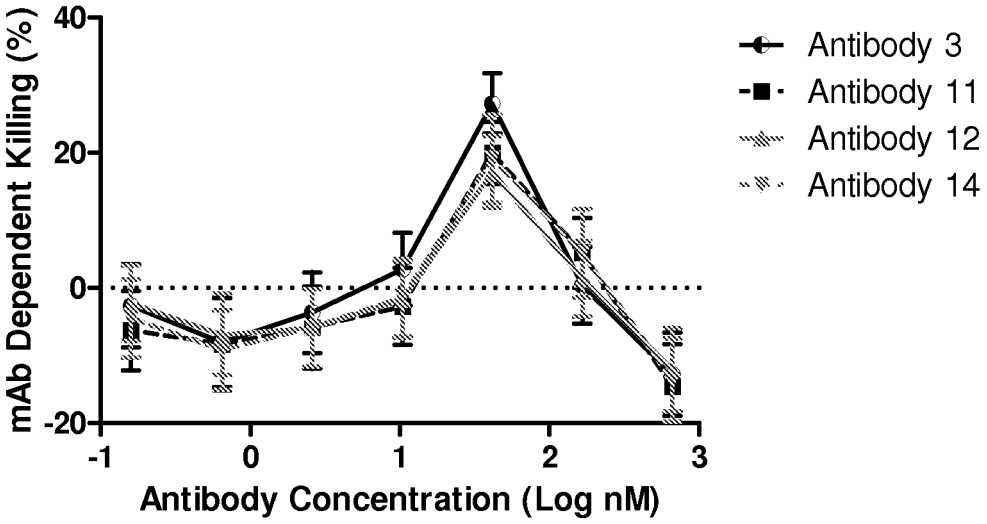

mAb Dependent Killing (%)
40
20
0
-20
-1
0
1
2
3
Antibody Concentration (Log nM)
Antibody 3
Antibody 11
Antibody 12
Antibody 14

Figure 5

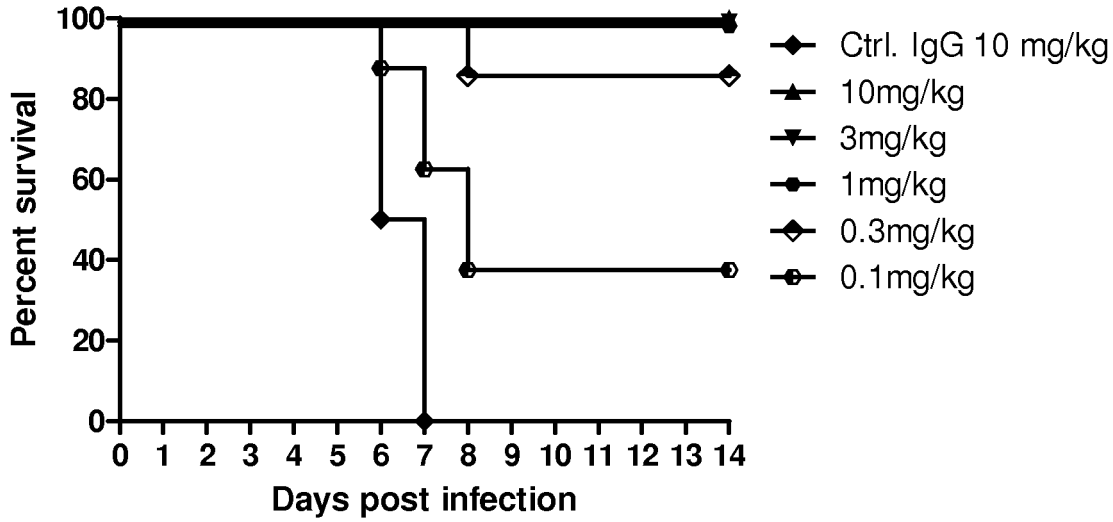

Percent survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days post infection
Ctrl. IgG 10 mg/kg
10mg/kg
3mg/kg
1mg/kg
0.3mg/kg
0.1mg/kg

Figure 6

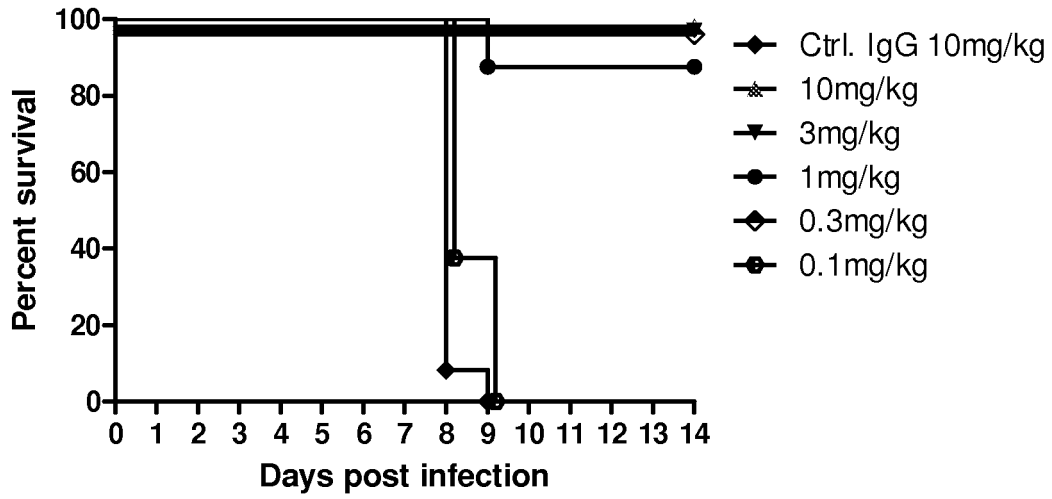

Percent survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days post infection
Ctrl. IgG 10mg/kg
10mg/kg
3mg/kg
1mg/kg
0.3mg/kg
0.1mg/kg

Figure 7

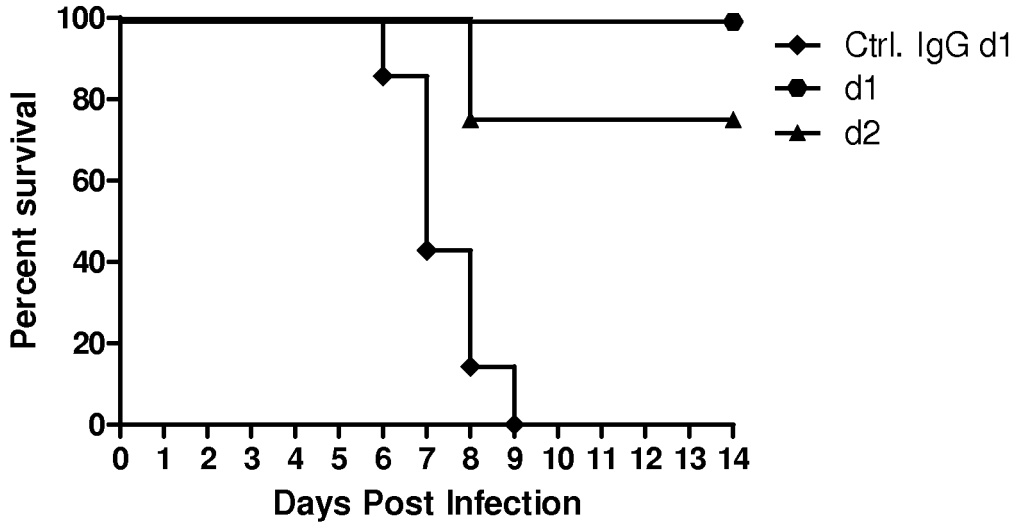

100
80
60
40
20
0
Percent survival
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days Post Infection
Ctrl. IgG d1
d1
d2

Figure 8

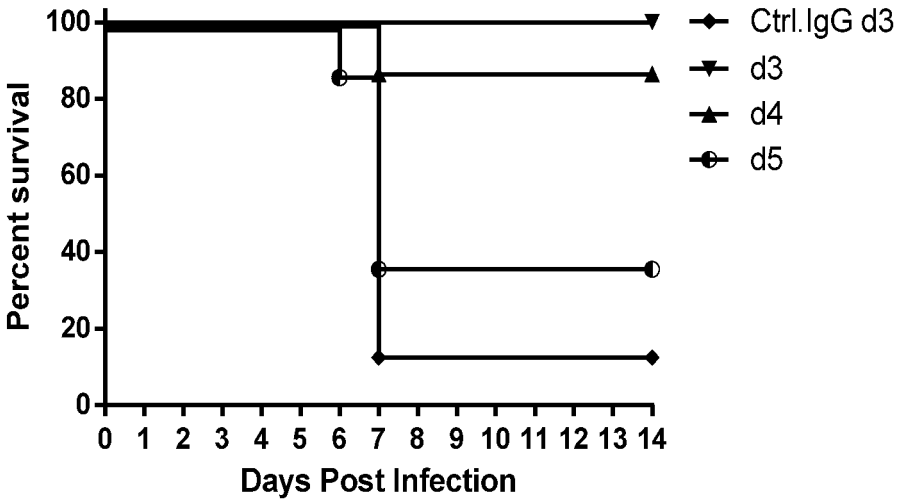

Percent survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days Post Infection
Ctrl.IgG d3
d3
d4
d5

Figure 9

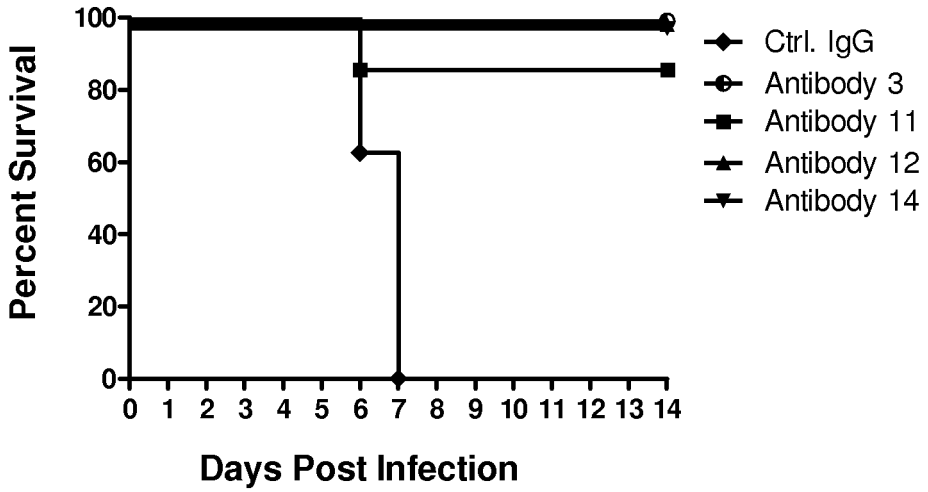

Percent Survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days Post Infection
Ctrl. IgG
Antibody 3
Antibody 11
Antibody 12
Antibody 14

Figure 10

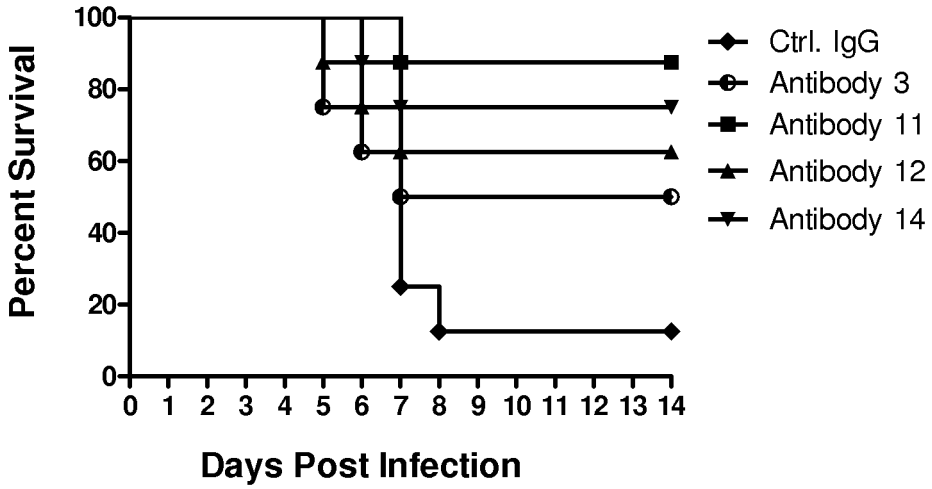

Percent Survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days Post Infection
Ctrl. IgG
Antibody 3
Antibody 11
Antibody 12
Antibody 14

Figure 11

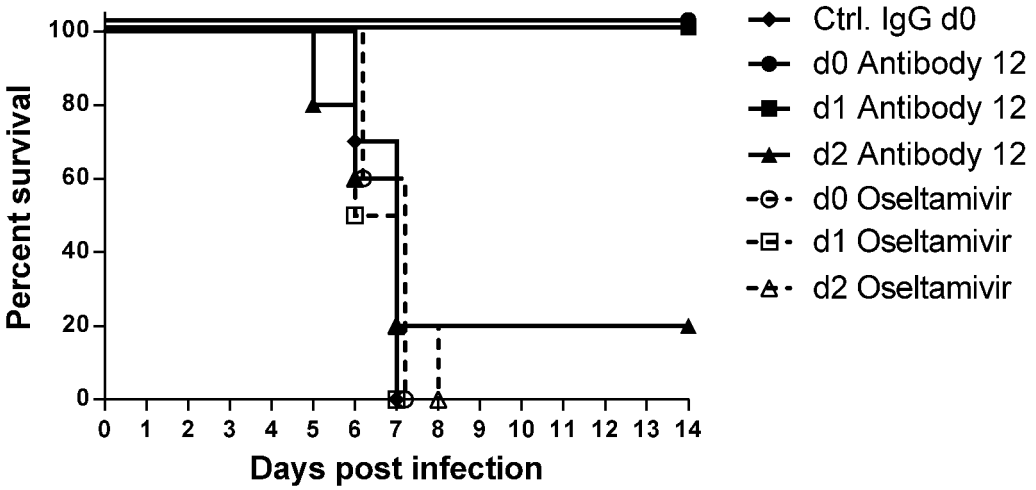

Percent survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days post infection
Ctrl. IgG d0
d0 Antibody 12
d1 Antibody 12
d2 Antibody 12
d0 Oseltamivir
d1 Oseltamivir
d2 Oseltamivir

Figure 12

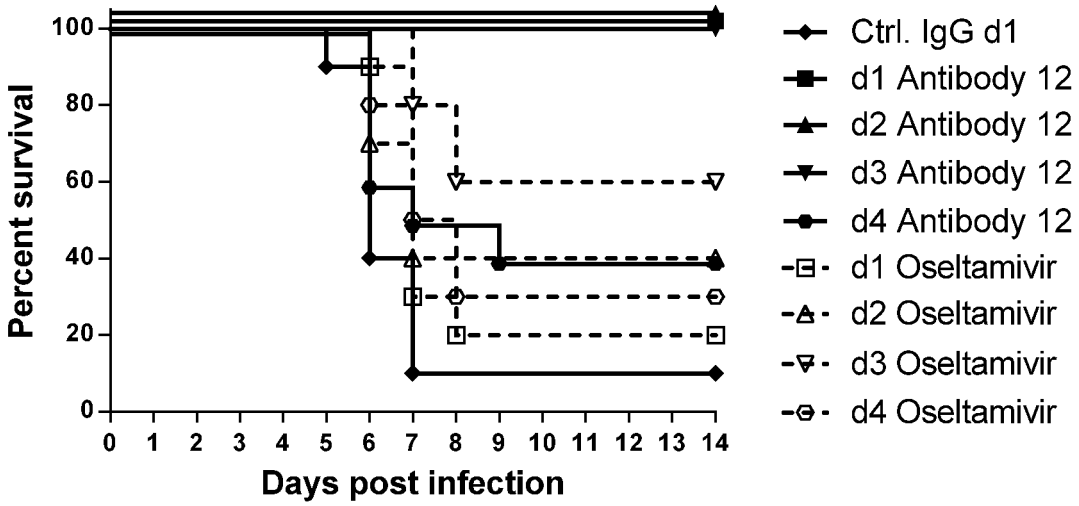

Percent survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days post infection
Ctrl. IgG d1
d1 Antibody 12
d2 Antibody 12
d3 Antibody 12
d4 Antibody 12
d1 Oseltamivir
d2 Oseltamivir
d3 Oseltamivir
d4 Oseltamivir

Figure 13

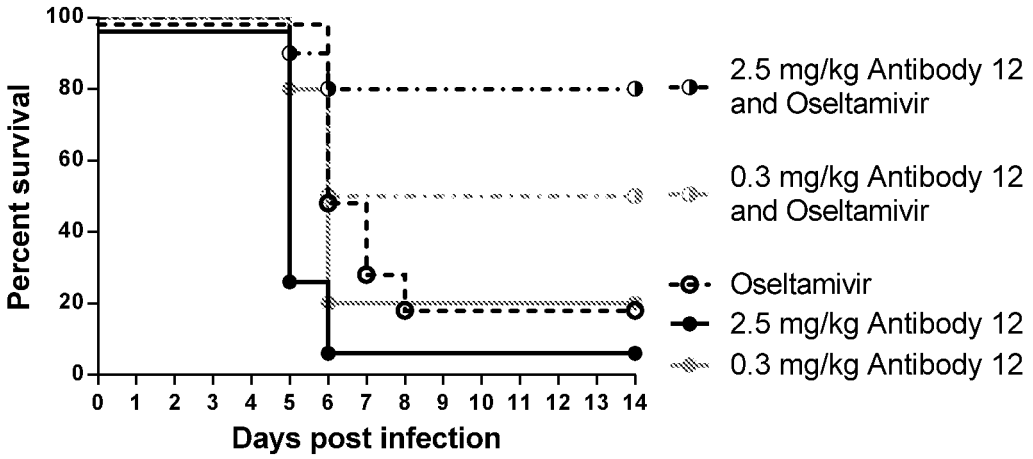

Percent survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days post infection
2.5 mg/kg Antibody 12 and Oseltamivir
0.3 mg/kg Antibody 12 and Oseltamivir
Oseltamivir
2.5 mg/kg Antibody 12
0.3 mg/kg Antibody 12

Figure 14

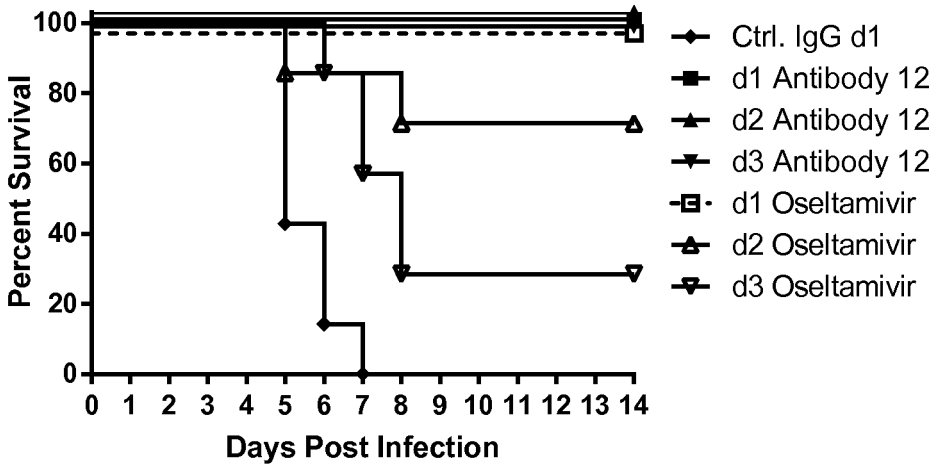
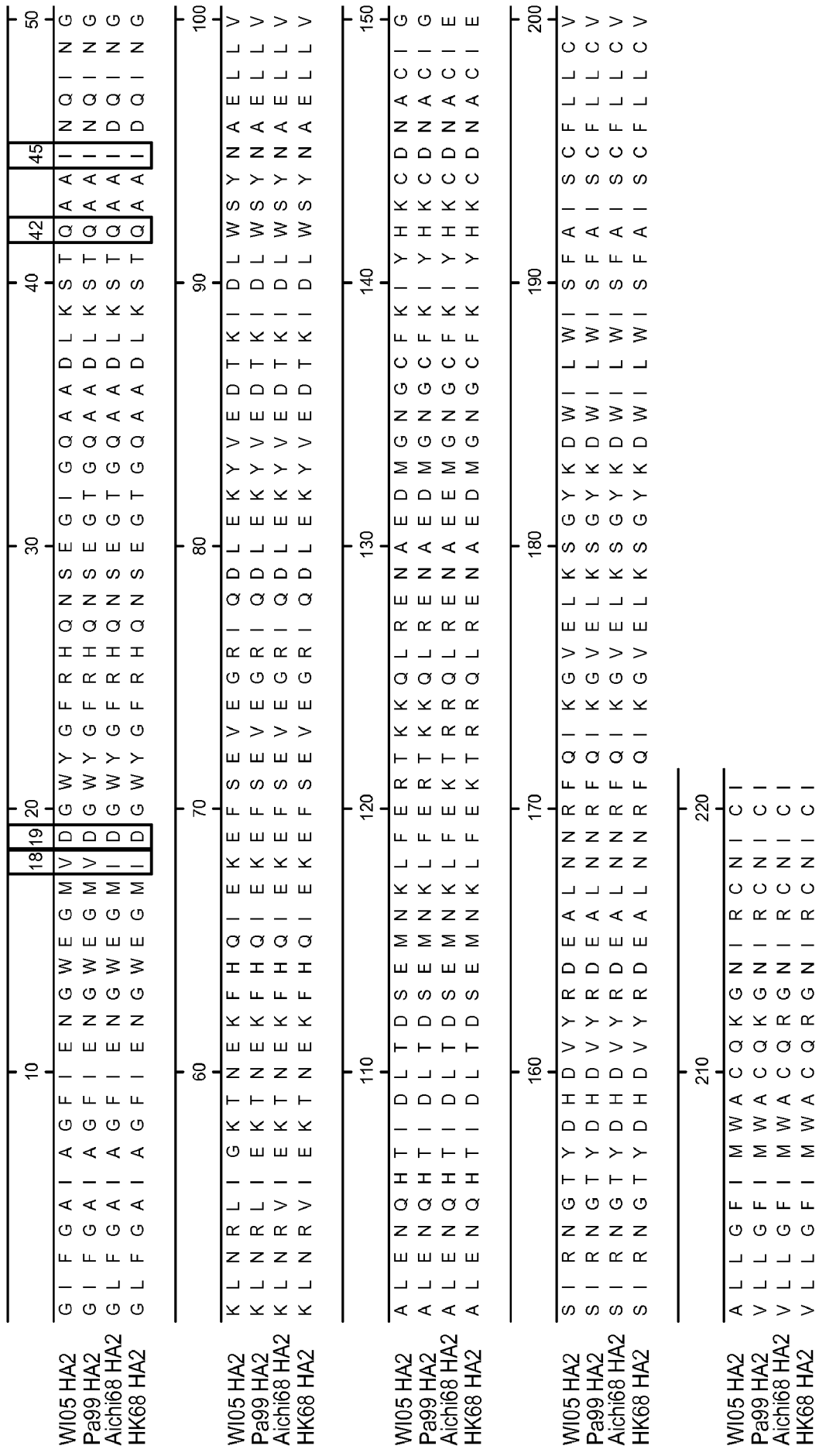

Percent Survival
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Days Post Infection
Ctrl. IgG d1
d1 Antibody 12
d2 Antibody 12
d3 Antibody 12
d1 Oseltamivir
d2 Oseltamivir
d3 Oseltamivir

FIG. 15


WI05 HA2
Pa99 HA2
Aichi68 HA2
HK68 HA2
10
18
19
20
30
40
42
45
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220