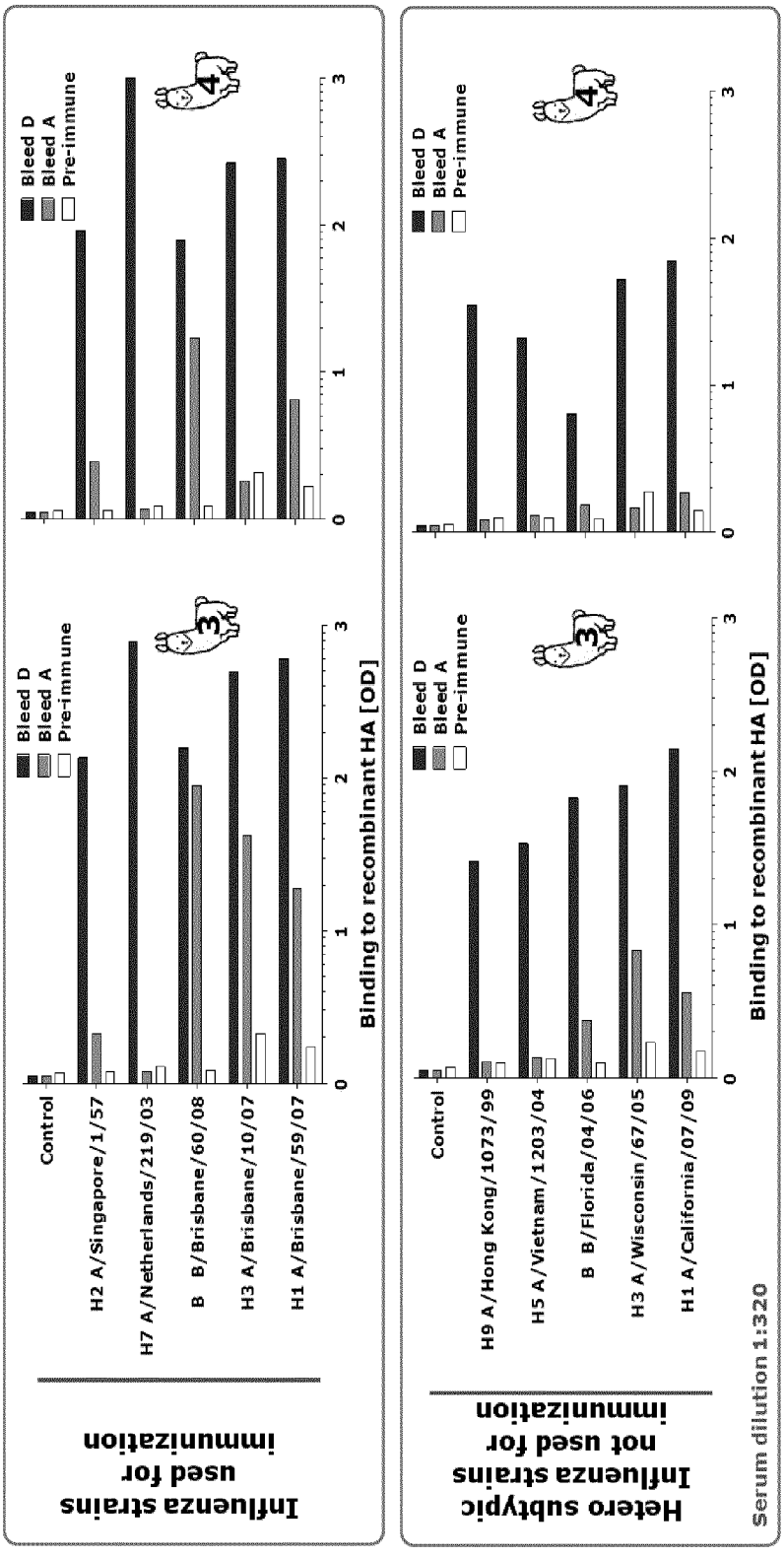

Influenza strains used for immunization
Control
H2 A/Singapore/1/57
H7 A/Netherlands/219/03
B B/Brisbane/60/08
H3 A/Brisbane/10/07
H1 A/Brisbane/59/07
Bleed D
Bleed A
Pre-immune
Binding to recombinant HA [OD]
Hetero subtypic Influenza strains not used for immunization
Control
H9 A/Hong Kong/1073/99
H5 A/Vietnam/1203/04
B B/Florida/04/06
H3 A/Wisconsin/67/05
H1 A/California/07/09
Serum dilution 1:320

Fig. 1

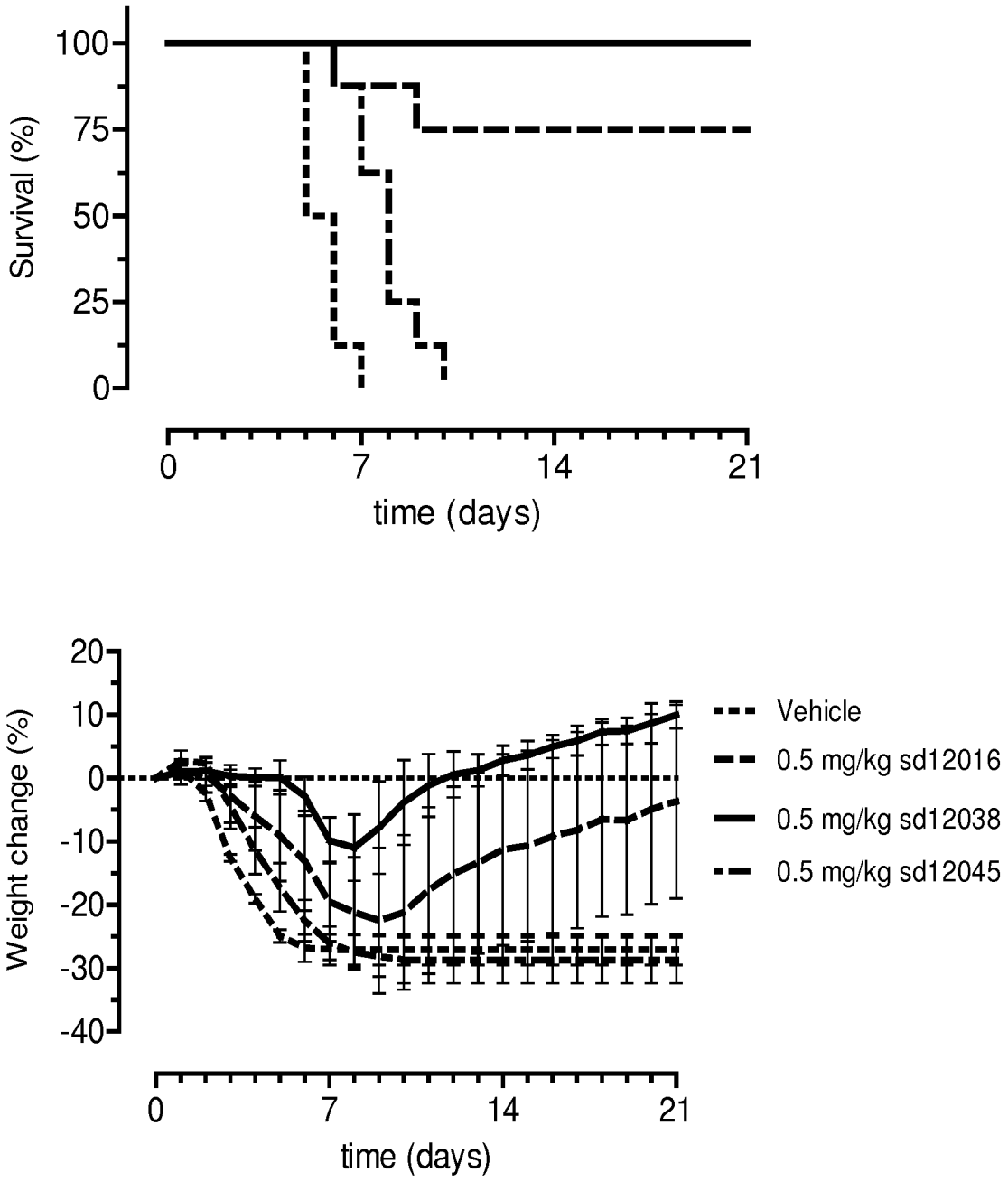

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
Vehicle
0.5 mg/kg sd12016
0.5 mg/kg sd12038
0.5 mg/kg sd12045

Fig. 2

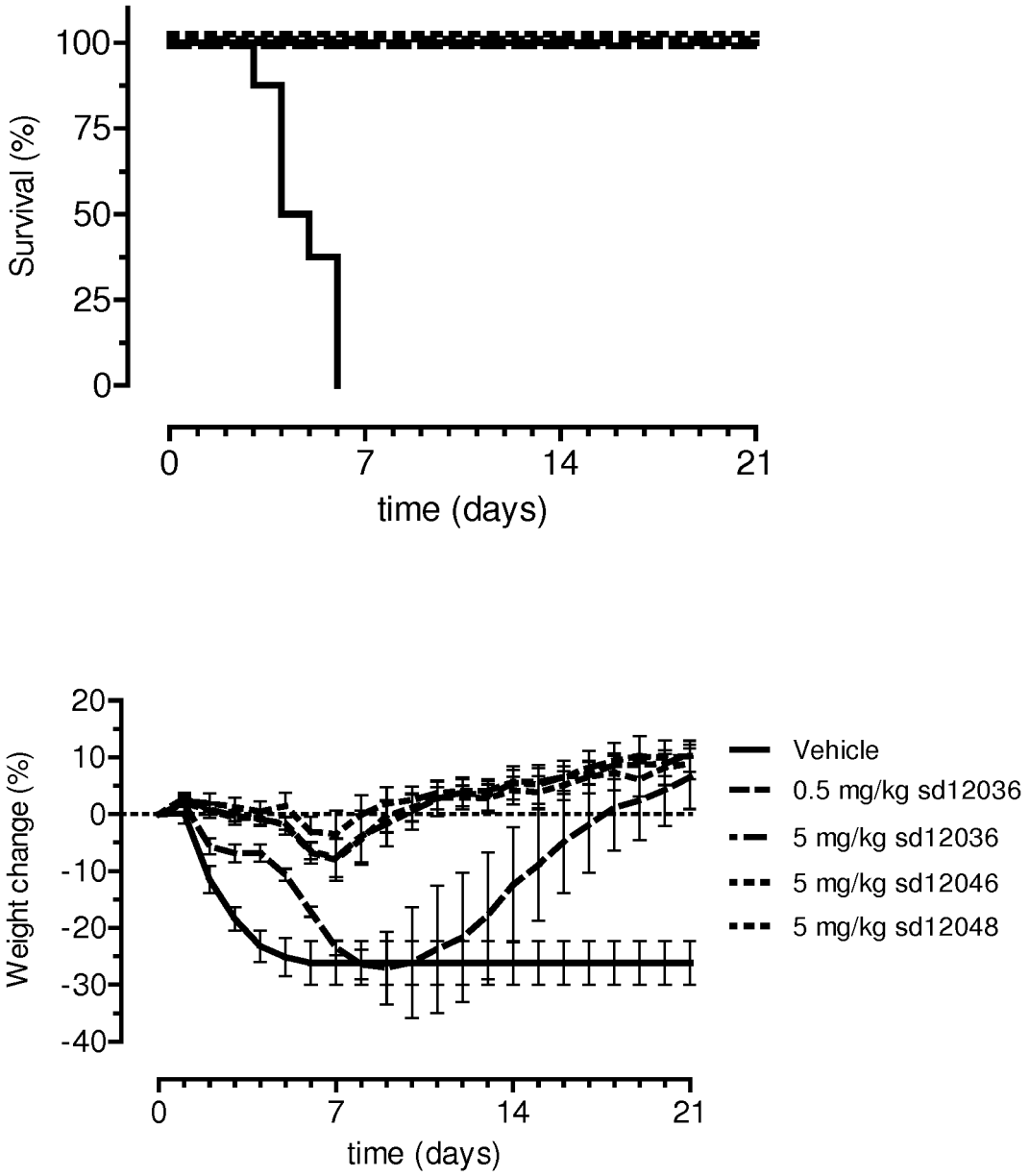
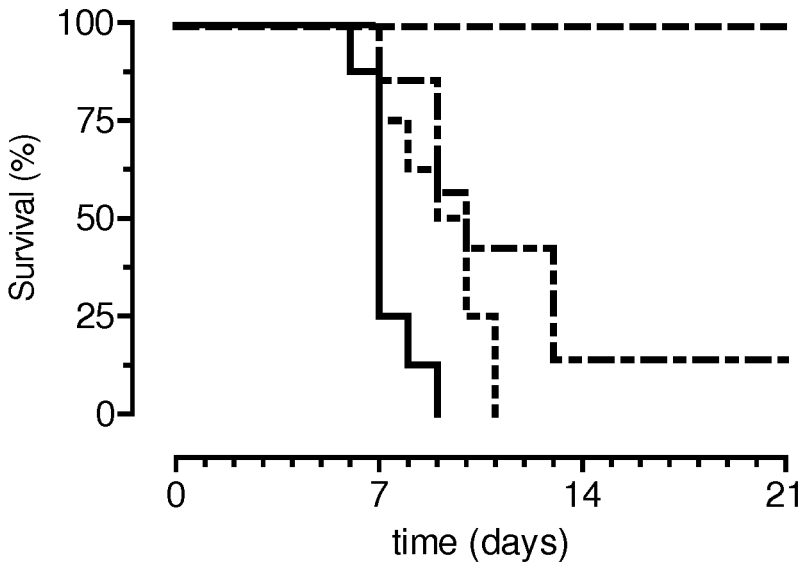

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
Vehicle
0.5 mg/kg sd12036
5 mg/kg sd12036
5 mg/kg sd12046
5 mg/kg sd12048

Fig. 3


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

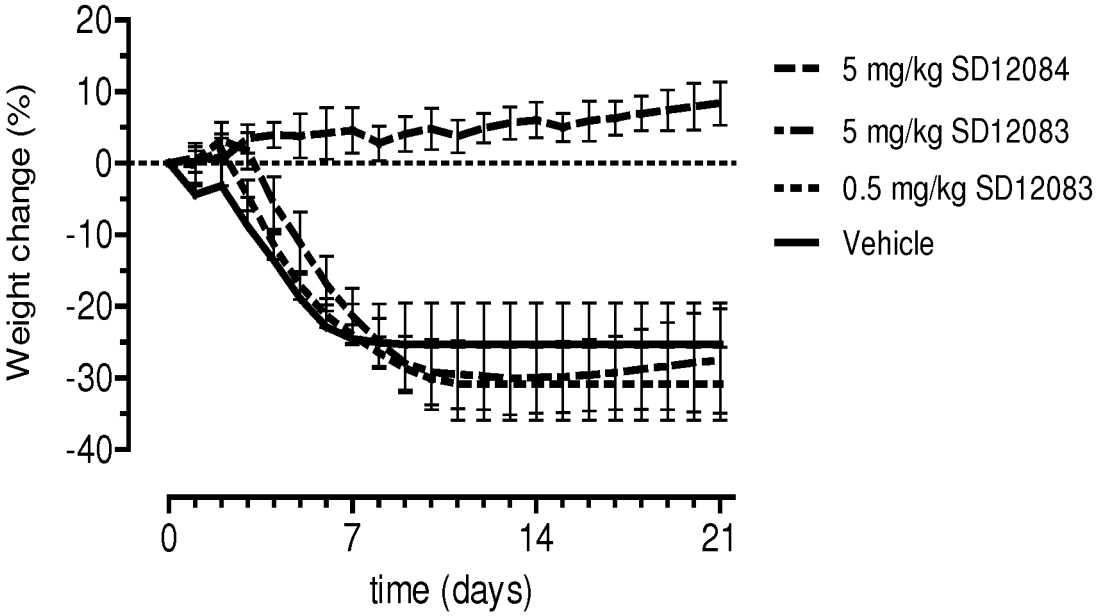

20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg SD12084
5 mg/kg SD12083
0.5 mg/kg SD12083
Vehicle

Fig. 4

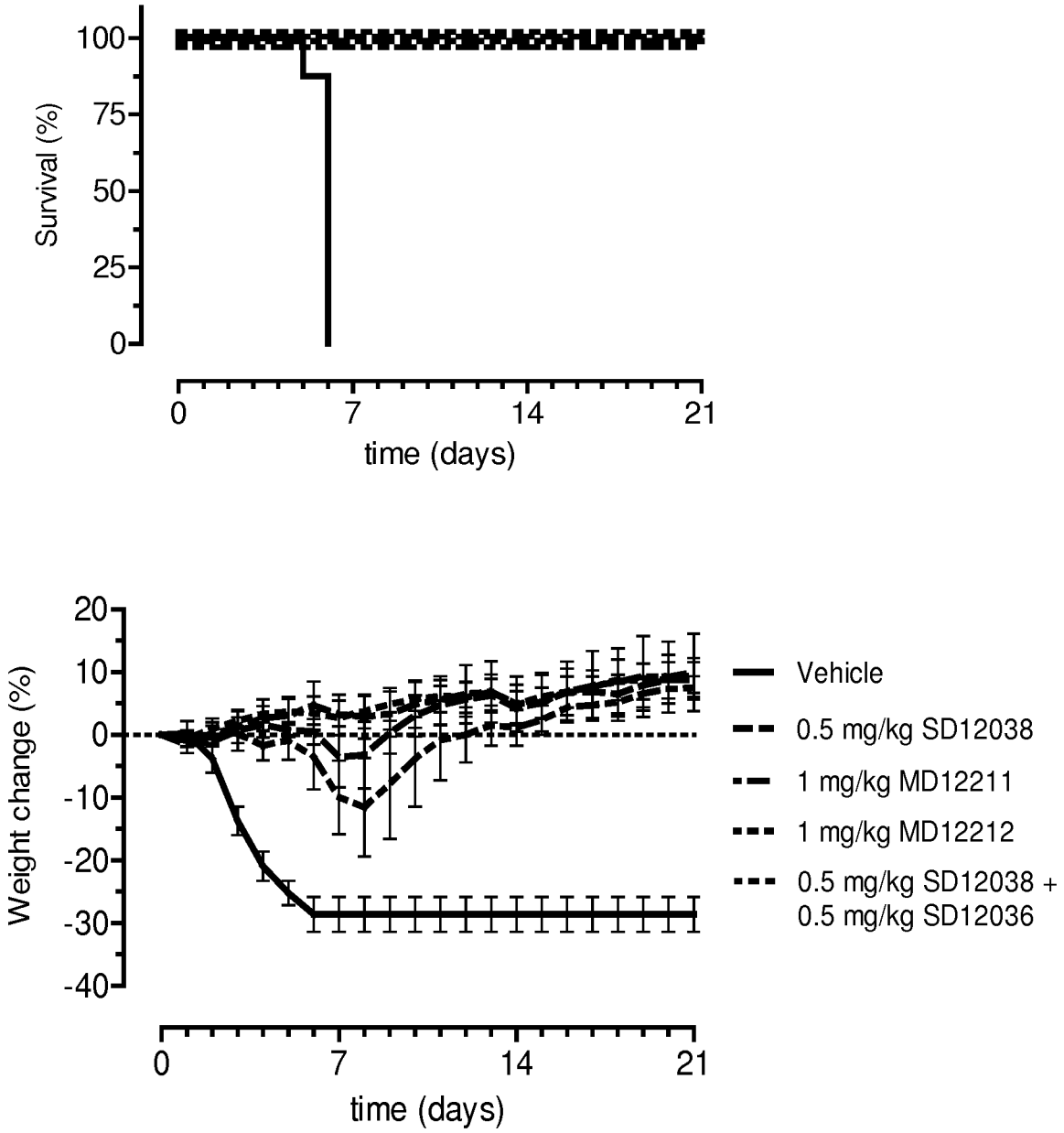
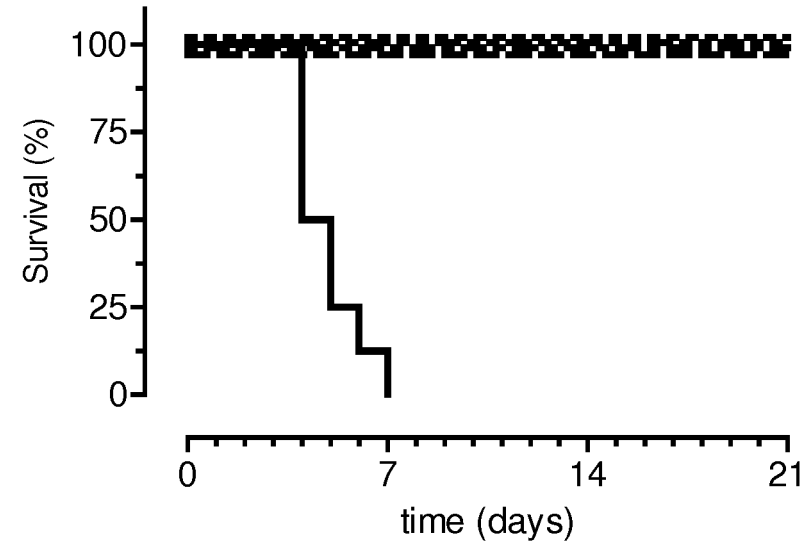

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
Vehicle
0.5 mg/kg SD12038
1 mg/kg MD12211
1 mg/kg MD12212
0.5 mg/kg SD12038 +
0.5 mg/kg SD12036

Fig. 5


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

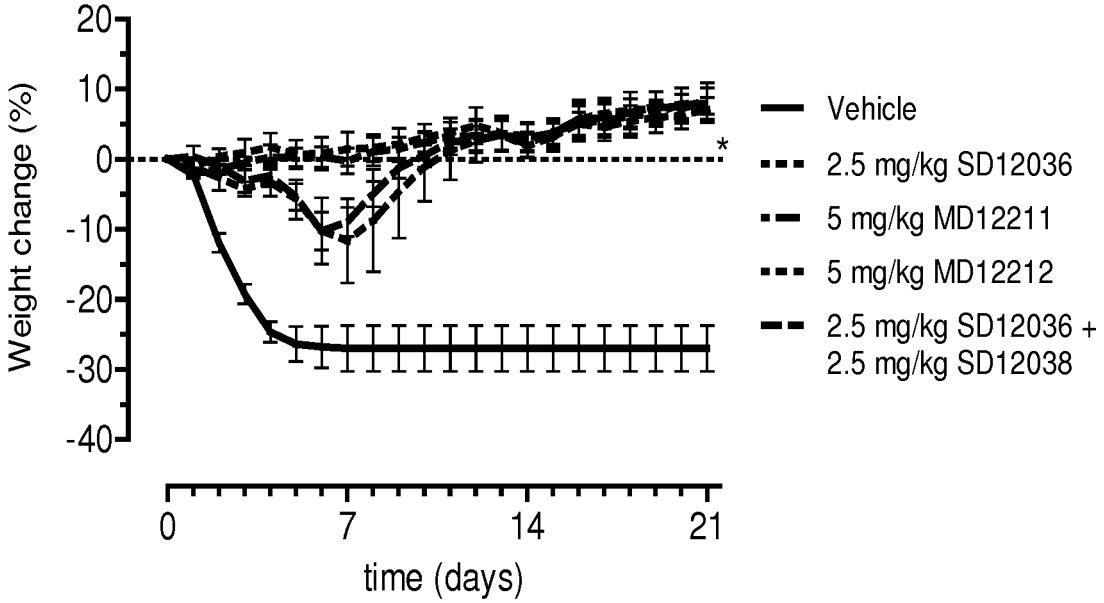

20
10
0
-10
-20
-30
-40
Weight change (%)
*
0
7
14
21
time (days)
Vehicle
2.5 mg/kg SD12036
5 mg/kg MD12211
5 mg/kg MD12212
2.5 mg/kg SD12036 +
2.5 mg/kg SD12038

Fig. 6

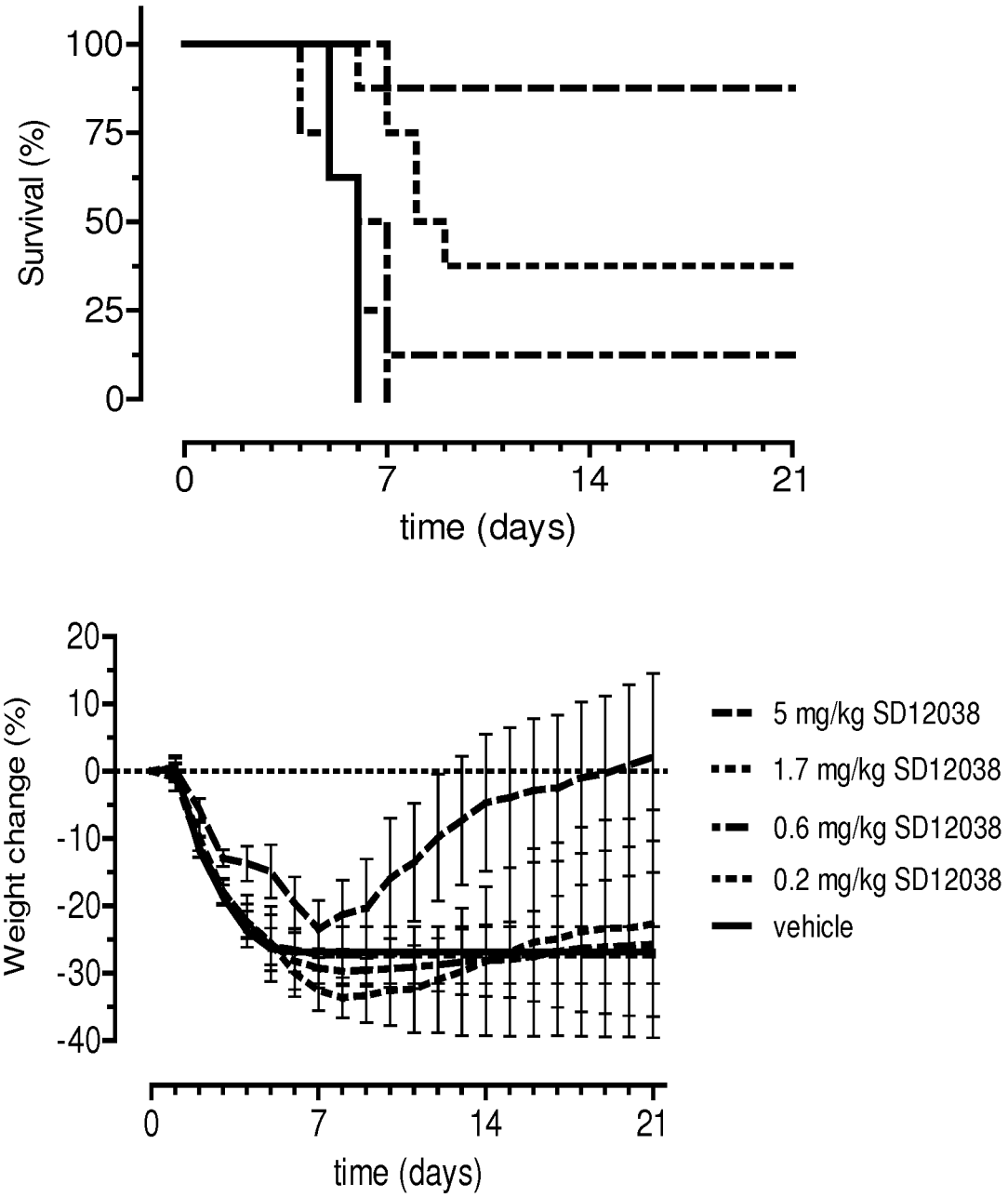

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg SD12038
1.7 mg/kg SD12038
0.6 mg/kg SD12038
0.2 mg/kg SD12038
vehicle

Fig. 7a

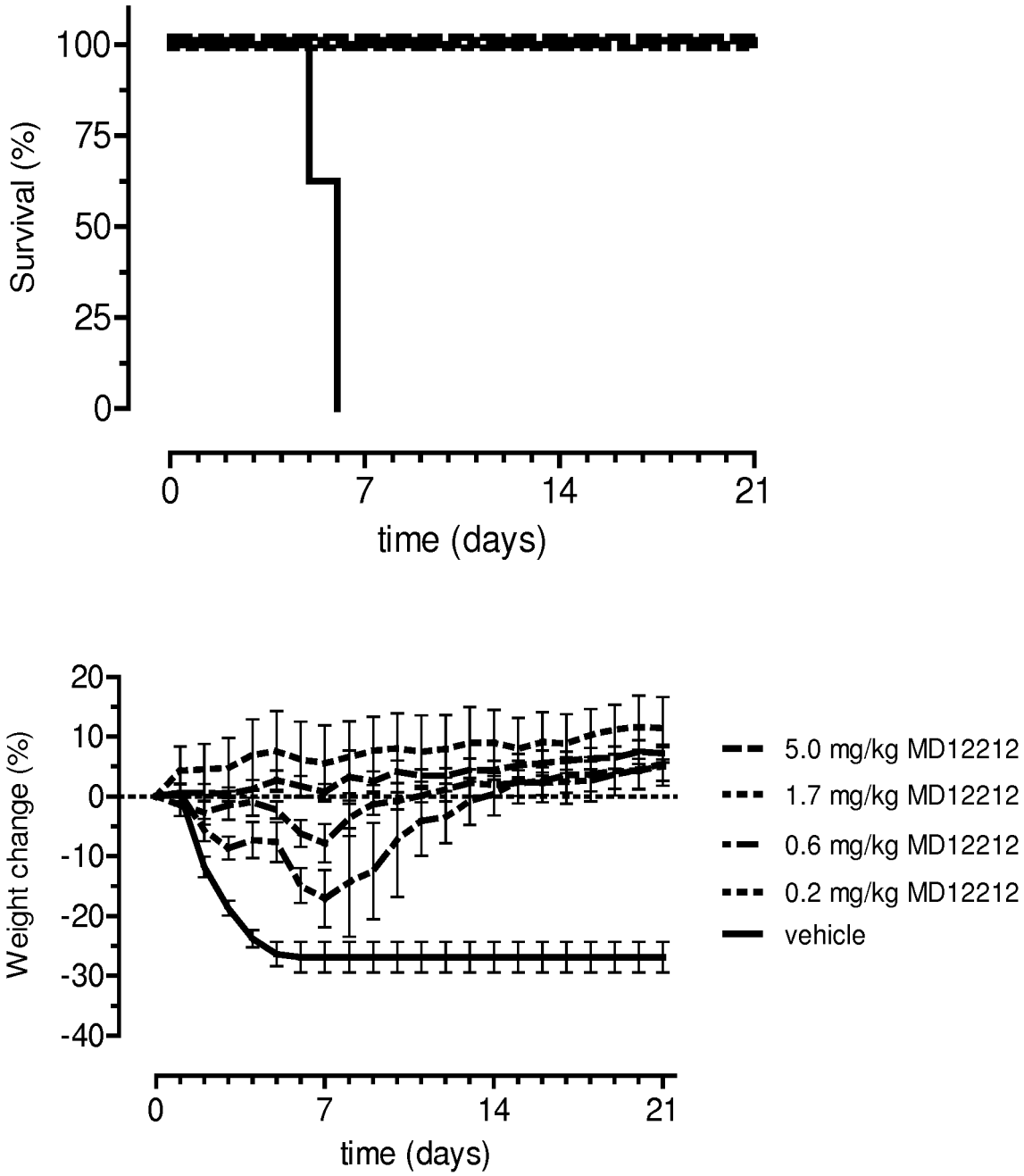

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5.0 mg/kg MD12212
1.7 mg/kg MD12212
0.6 mg/kg MD12212
0.2 mg/kg MD12212
vehicle

Fig. 7b

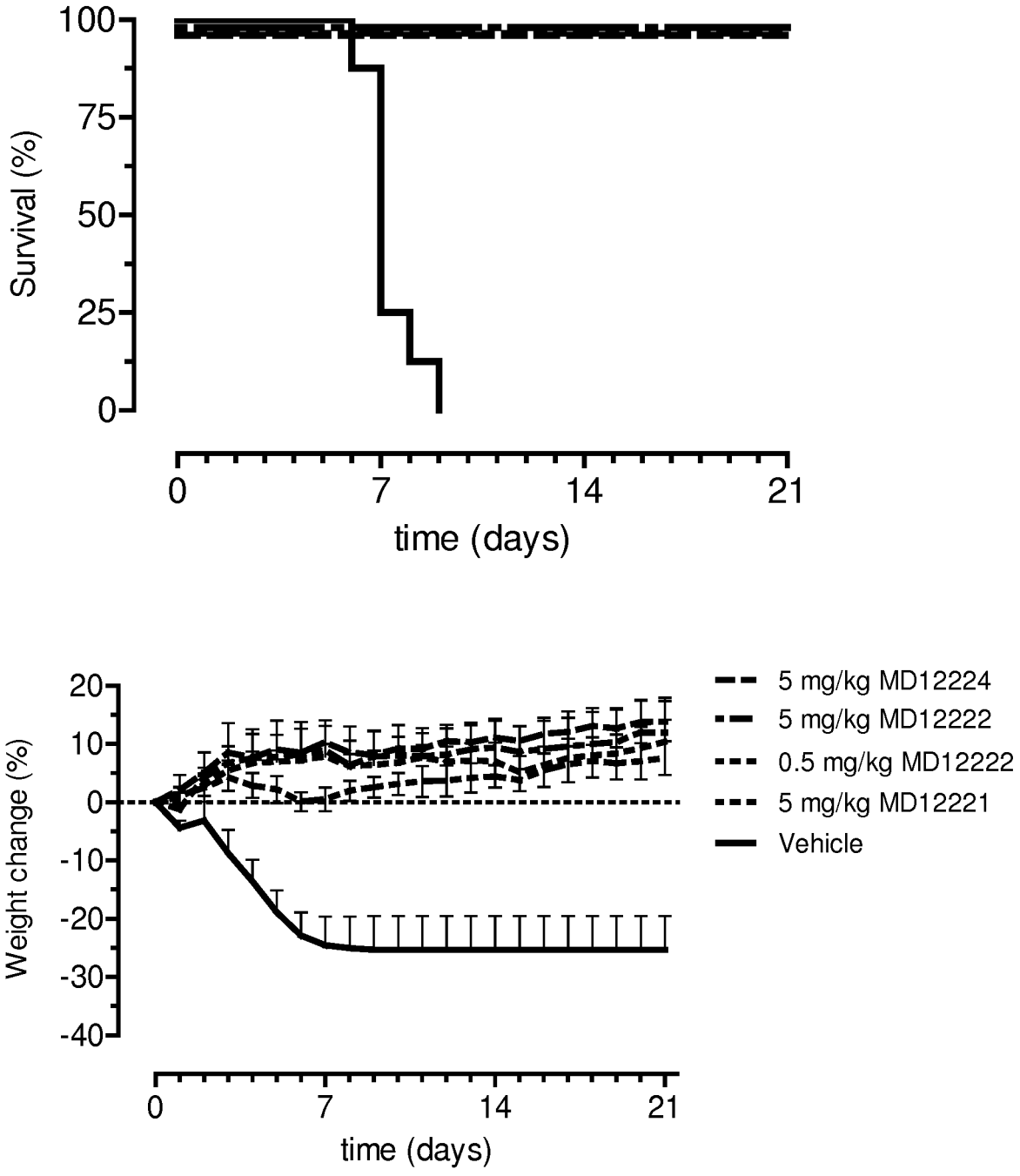
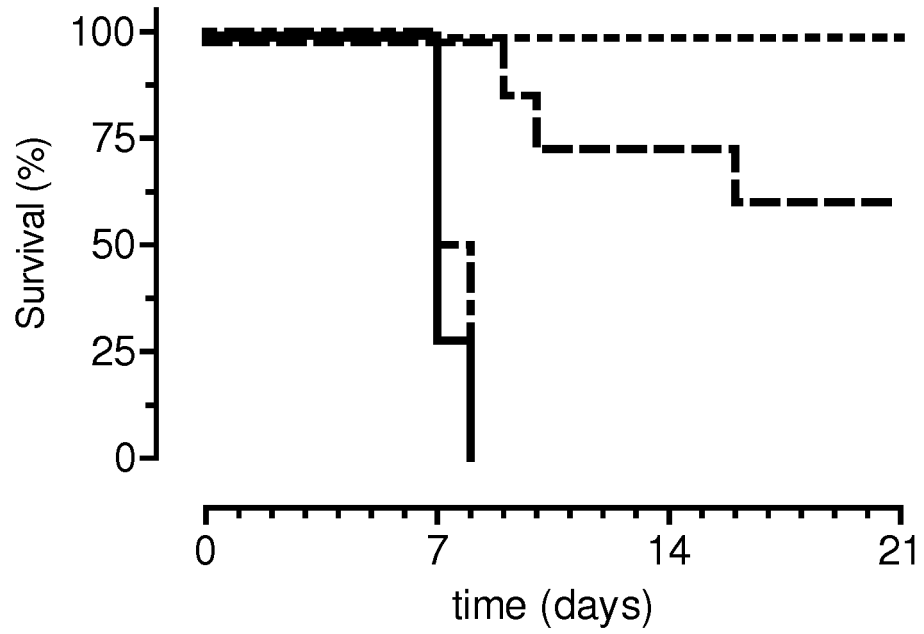

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg MD12224
5 mg/kg MD12222
0.5 mg/kg MD12222
5 mg/kg MD12221
Vehicle

Fig. 8


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

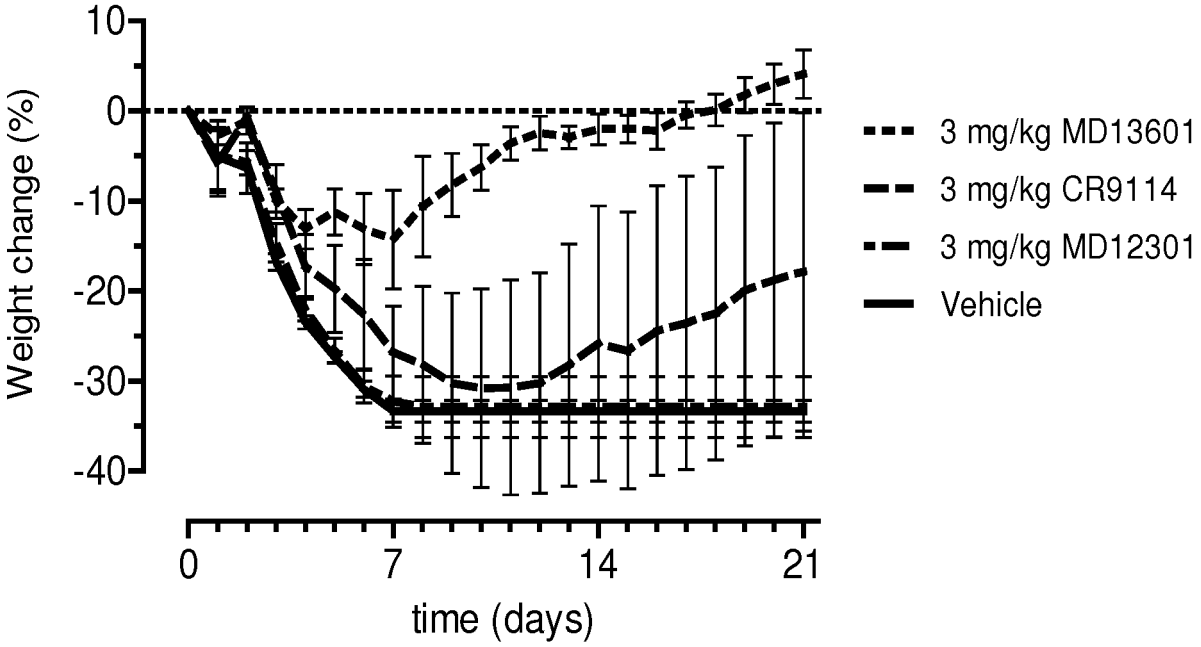
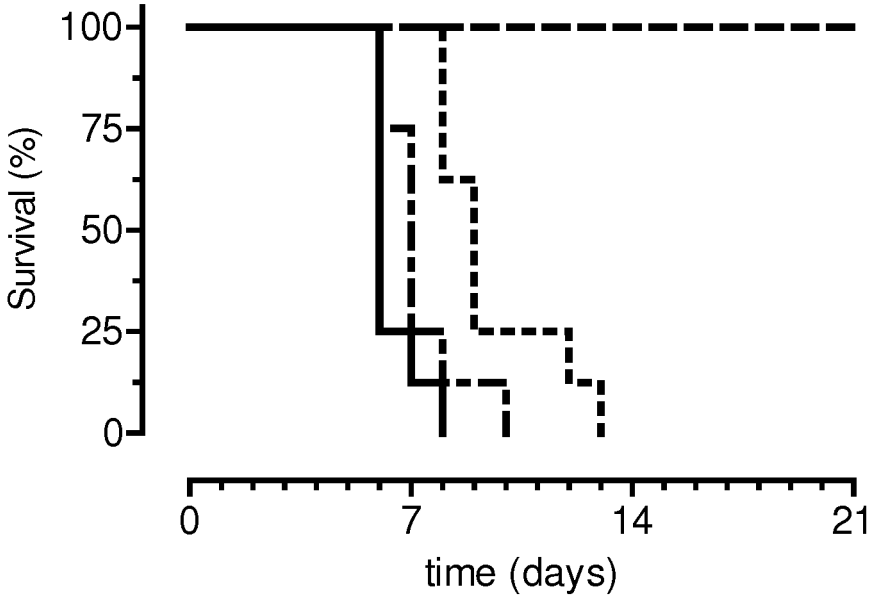

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
3 mg/kg MD13601
3 mg/kg CR9114
3 mg/kg MD12301
Vehicle

Fig. 9


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

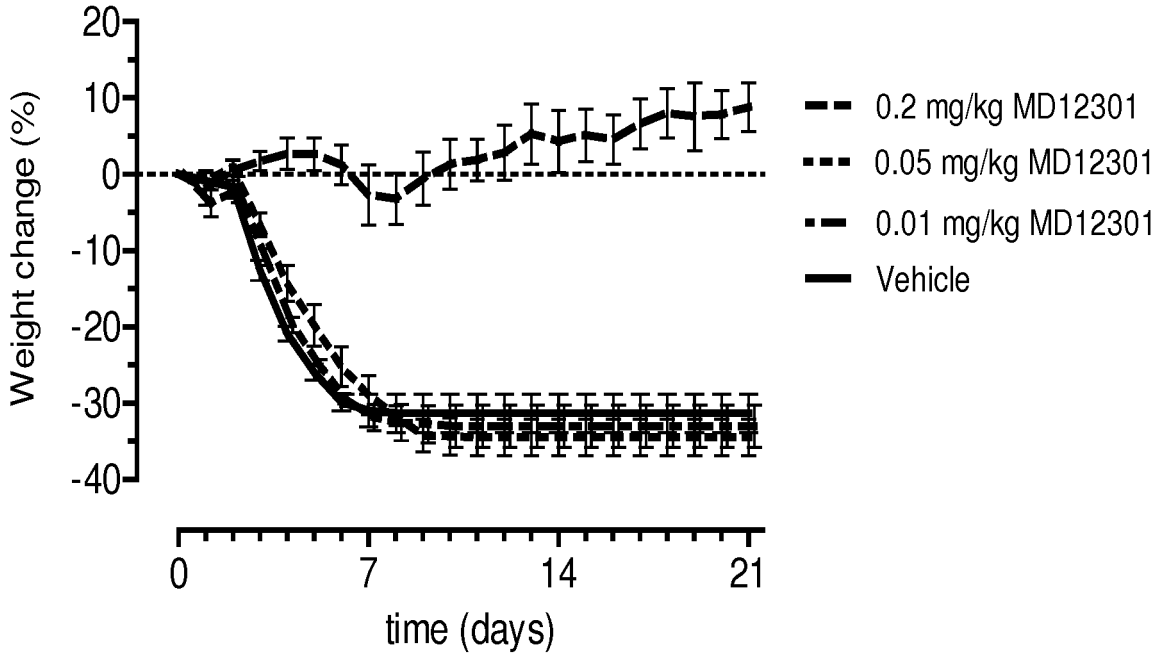
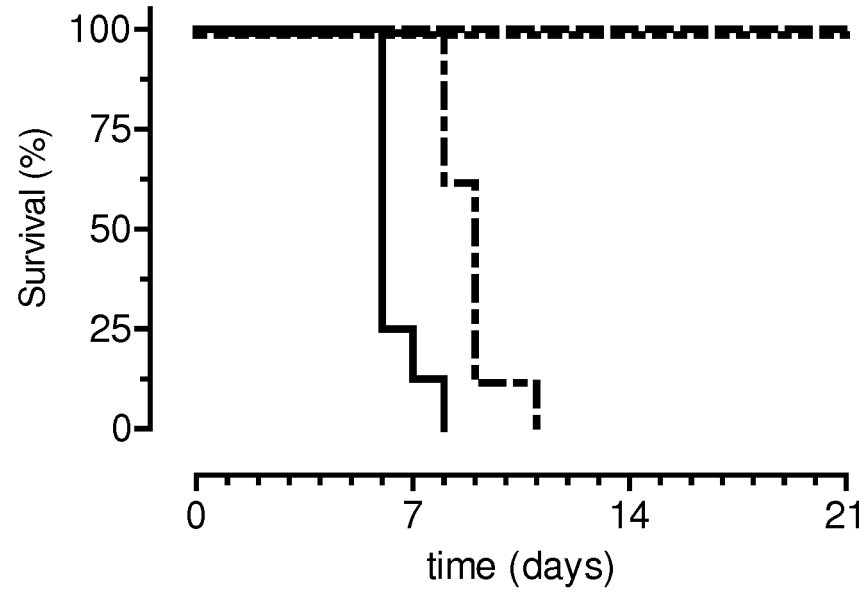

20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.2 mg/kg MD12301
0.05 mg/kg MD12301
0.01 mg/kg MD12301
Vehicle

Fig. 10a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

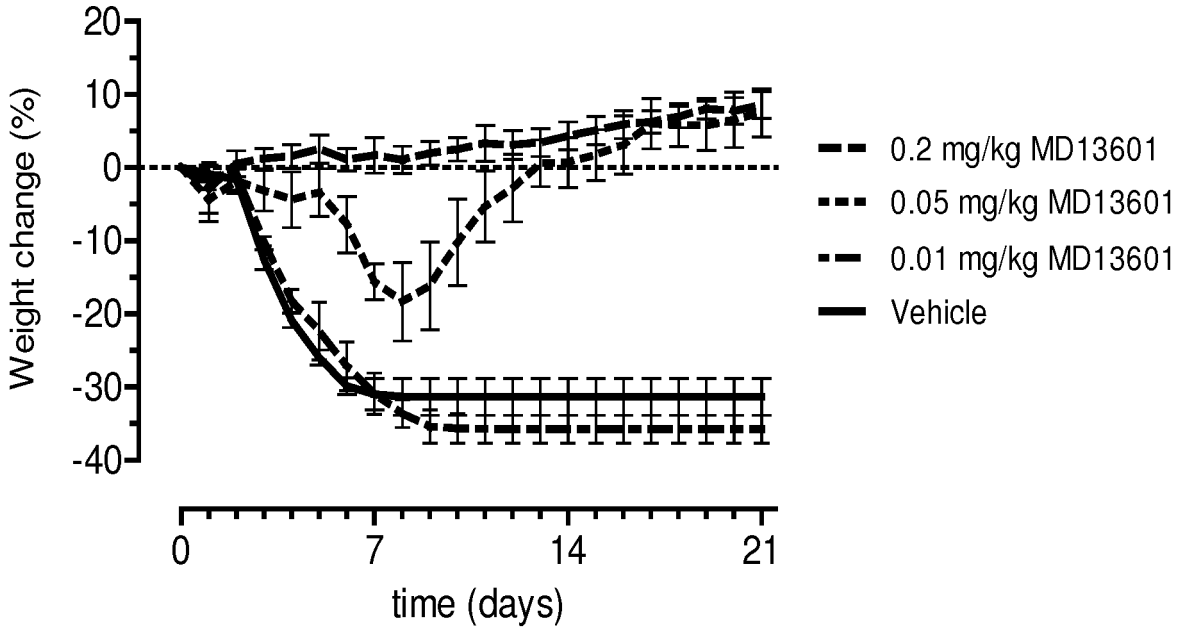
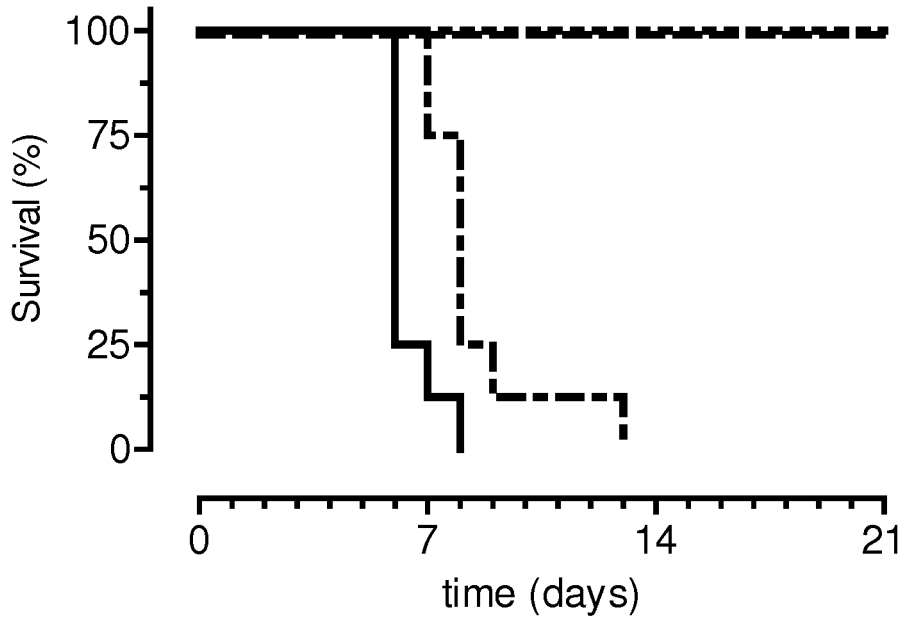

20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.2 mg/kg MD13601
0.05 mg/kg MD13601
0.01 mg/kg MD13601
Vehicle

Fig. 10b


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

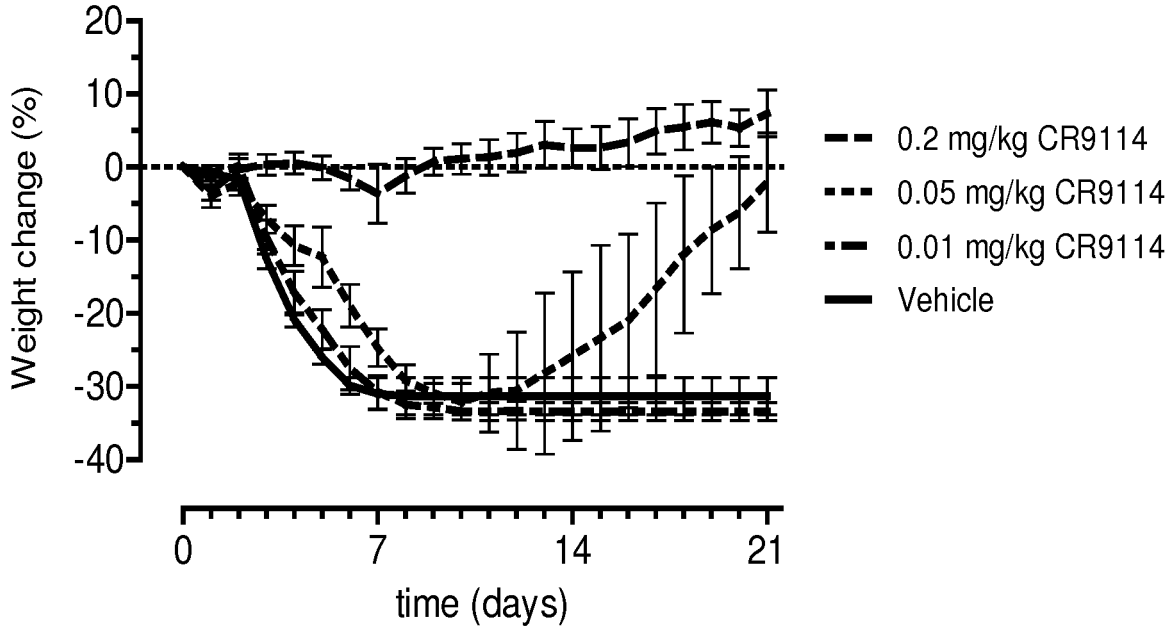
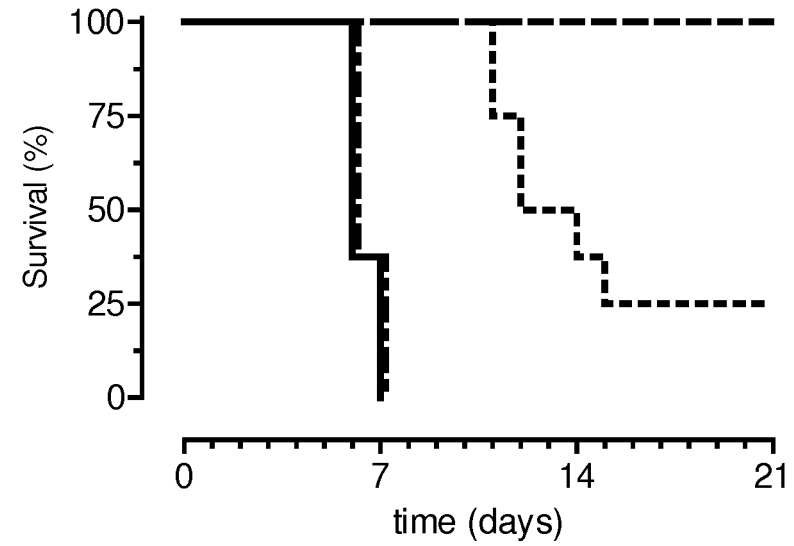

20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.2 mg/kg CR9114
0.05 mg/kg CR9114
0.01 mg/kg CR9114
Vehicle

Fig. 10c


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

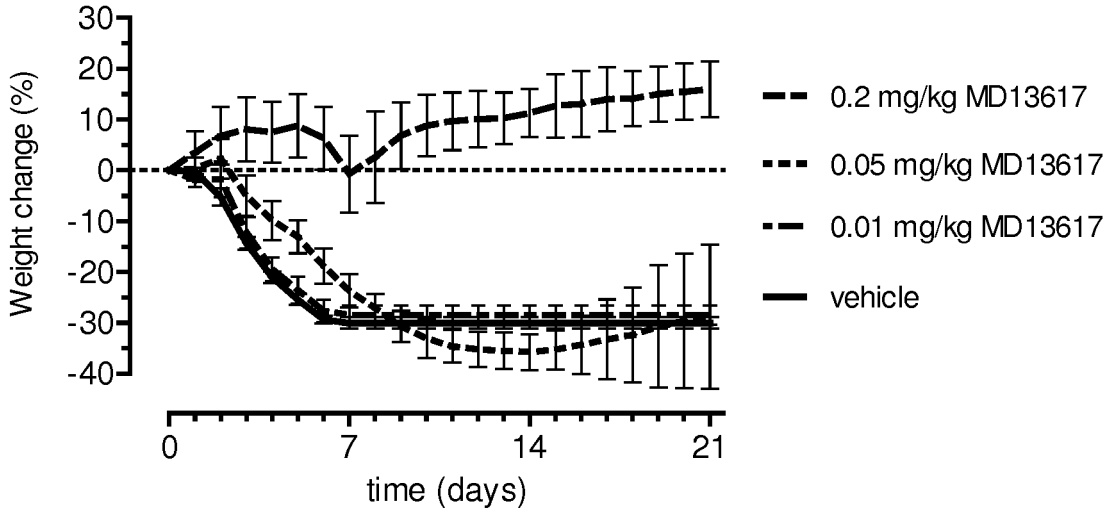
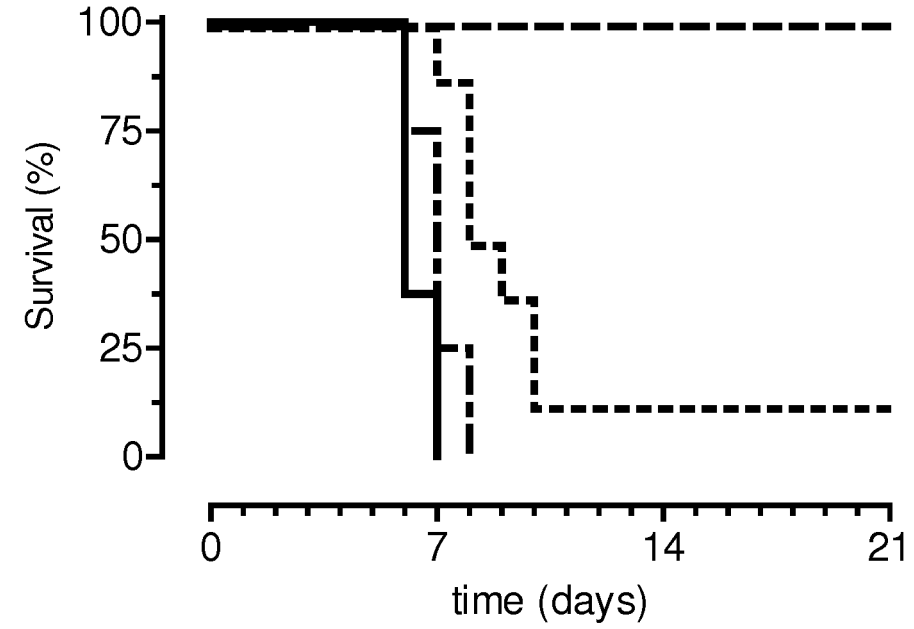

30
20
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.2 mg/kg MD13617
0.05 mg/kg MD13617
0.01 mg/kg MD13617
vehicle

Fig. 11a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

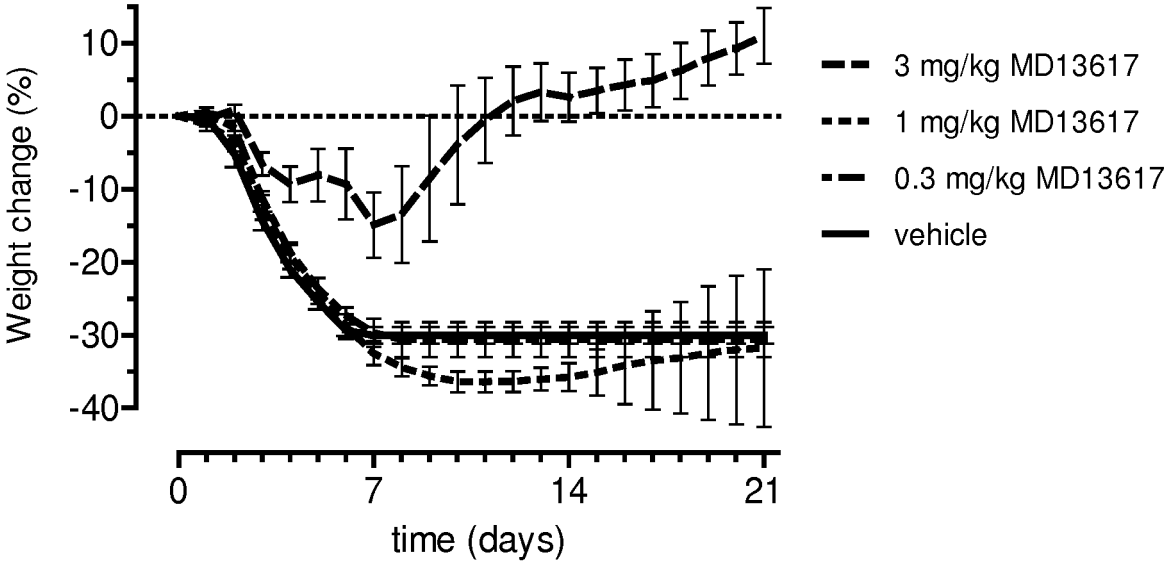
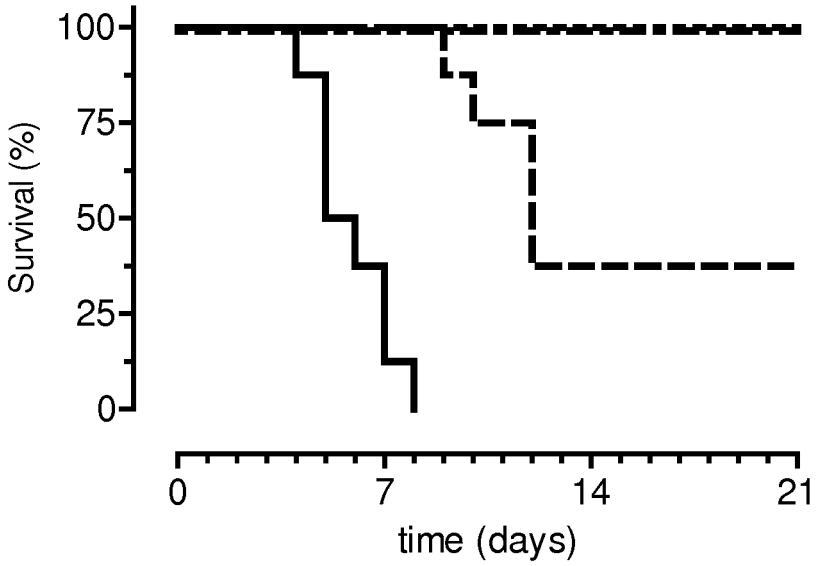

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
3 mg/kg MD13617
1 mg/kg MD13617
0.3 mg/kg MD13617
vehicle

Fig. 11b


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

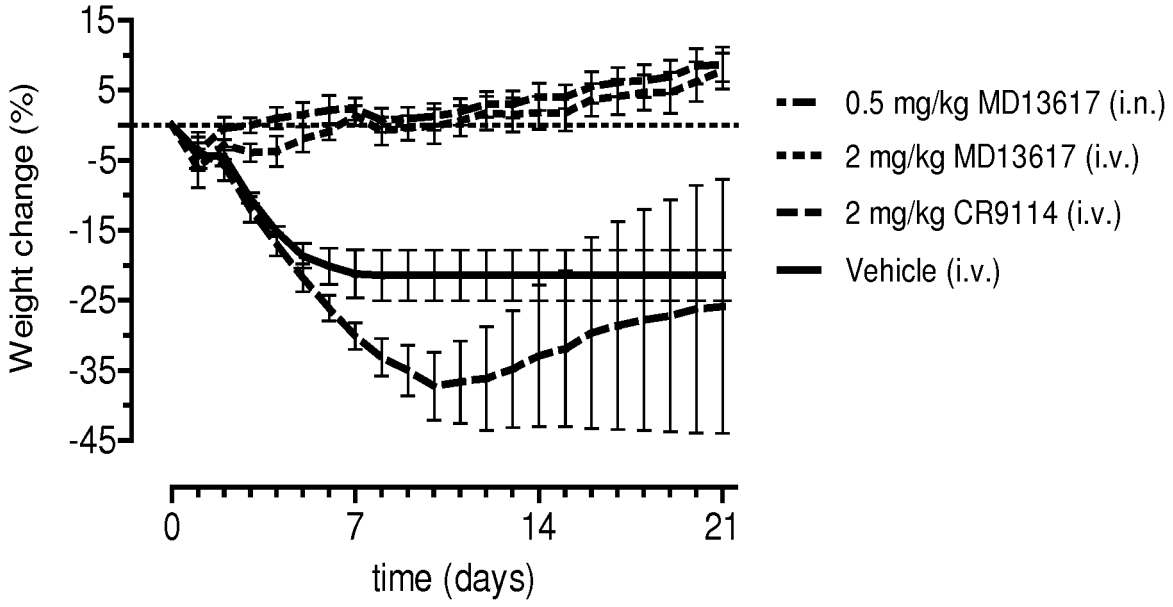
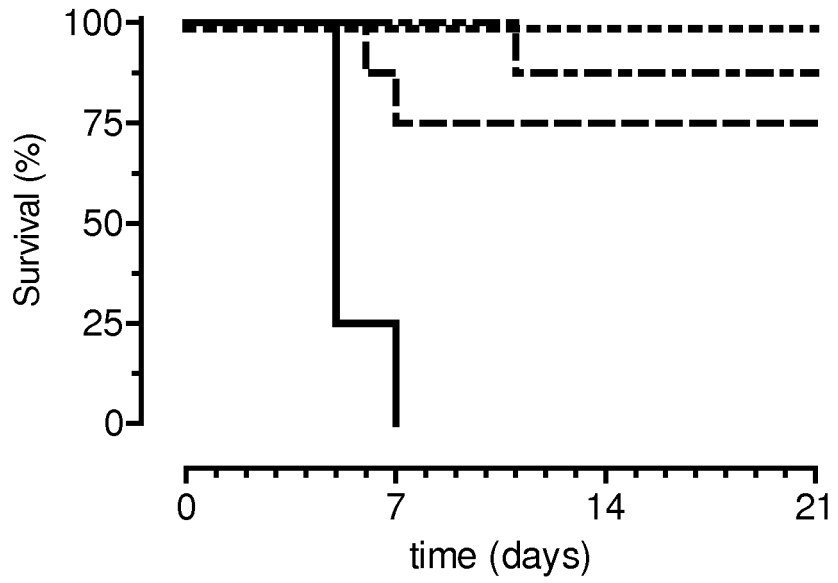

15
5
-5
-15
-25
-35
-45
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg MD13617 (i.n.)
2 mg/kg MD13617 (i.v.)
2 mg/kg CR9114 (i.v.)
Vehicle (i.v.)

Fig. 12a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

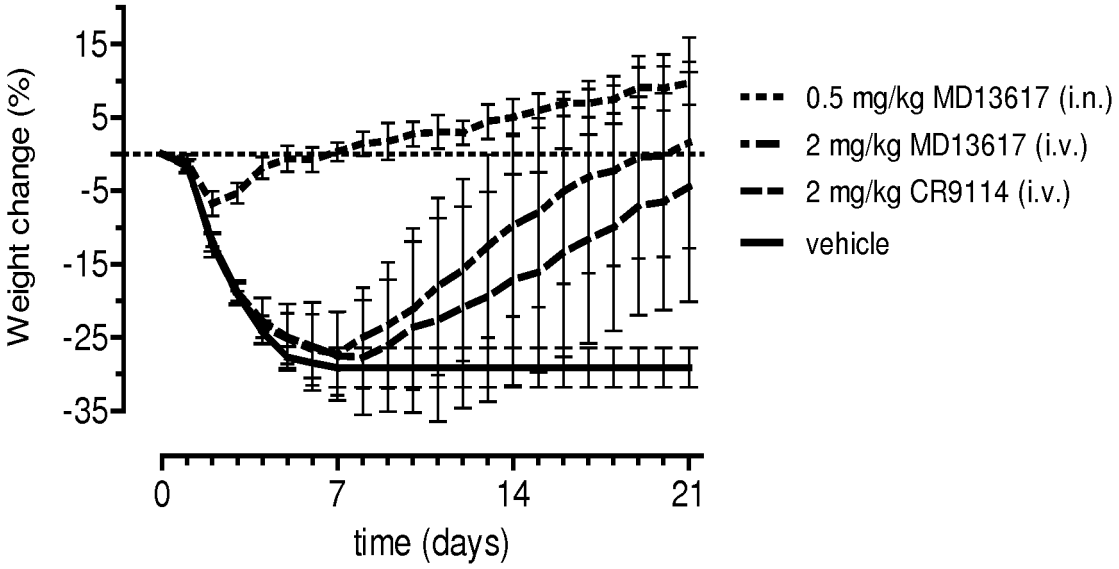

15
5
-5
-15
-25
-35
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg MD13617 (i.n.)
2 mg/kg MD13617 (i.v.)
2 mg/kg CR9114 (i.v.)
vehicle

Fig. 12b

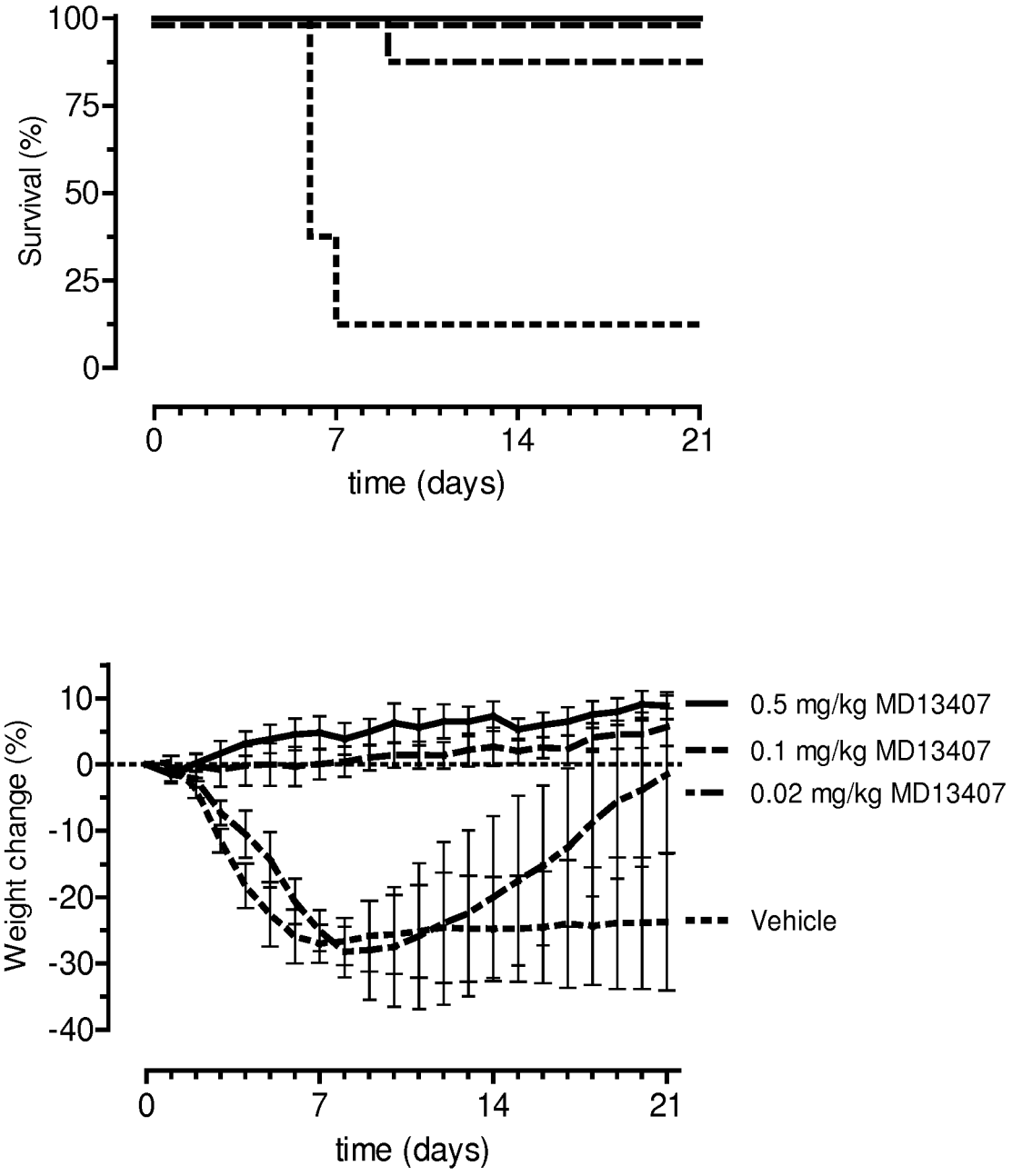
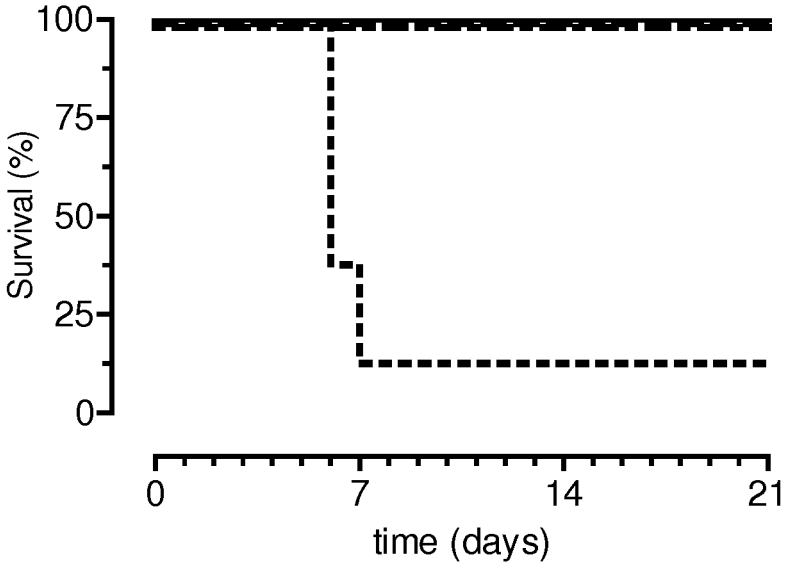

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg MD13407
0.1 mg/kg MD13407
0.02 mg/kg MD13407
Vehicle

Fig. 13a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

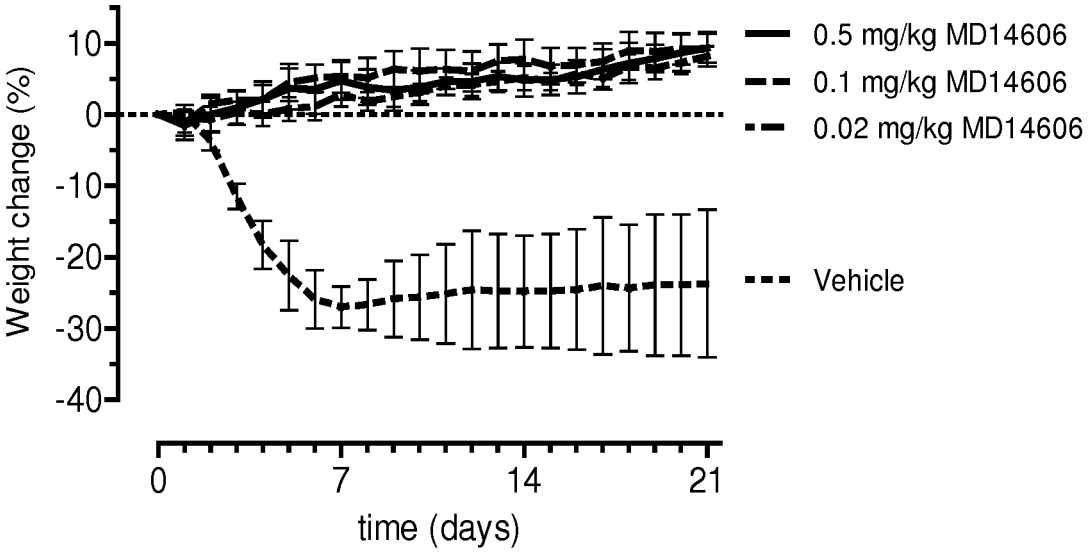

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg MD14606
0.1 mg/kg MD14606
0.02 mg/kg MD14606
Vehicle

Fig. 13b

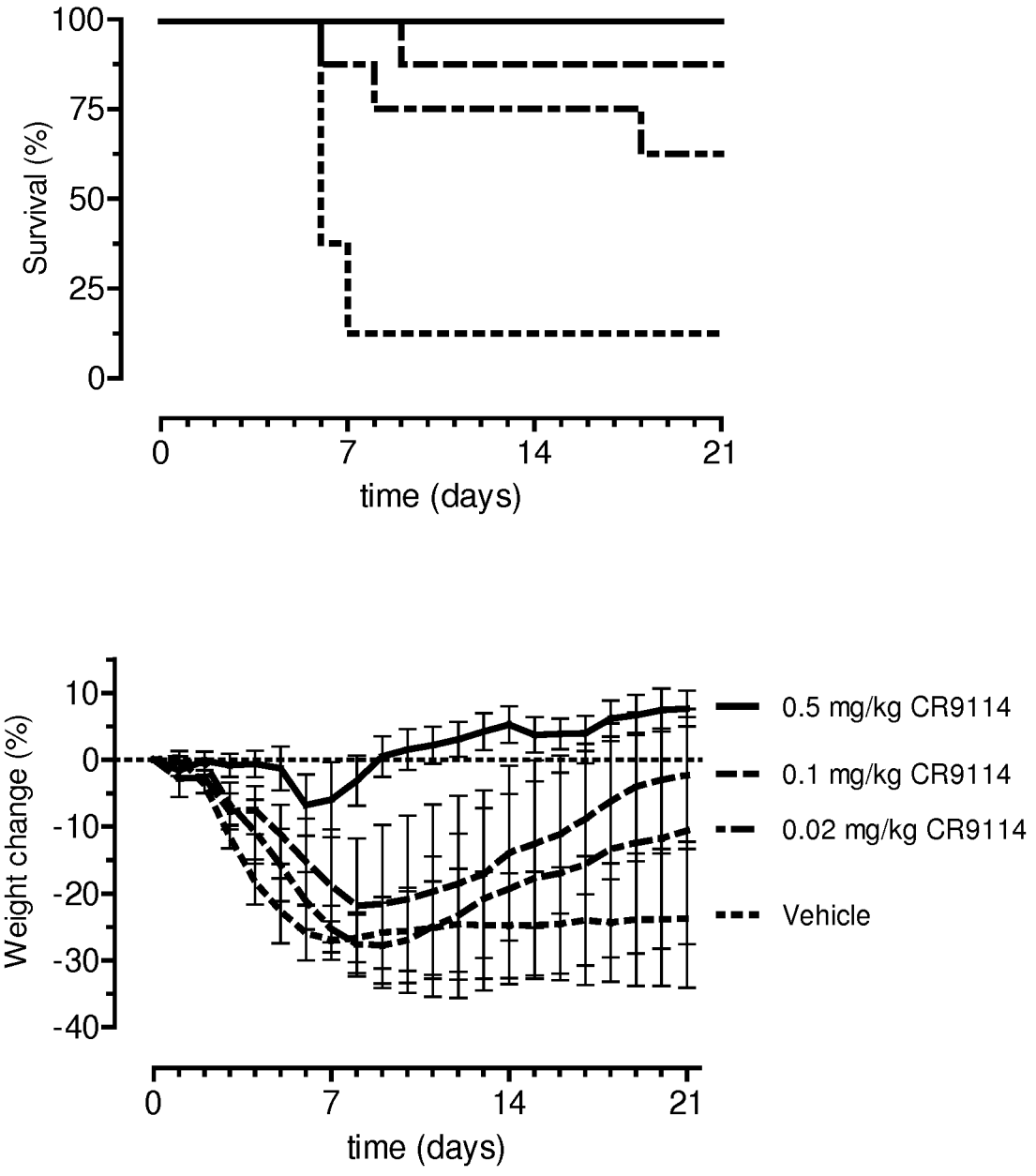

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg CR9114
0.1 mg/kg CR9114
0.02 mg/kg CR9114
Vehicle

Fig. 13c

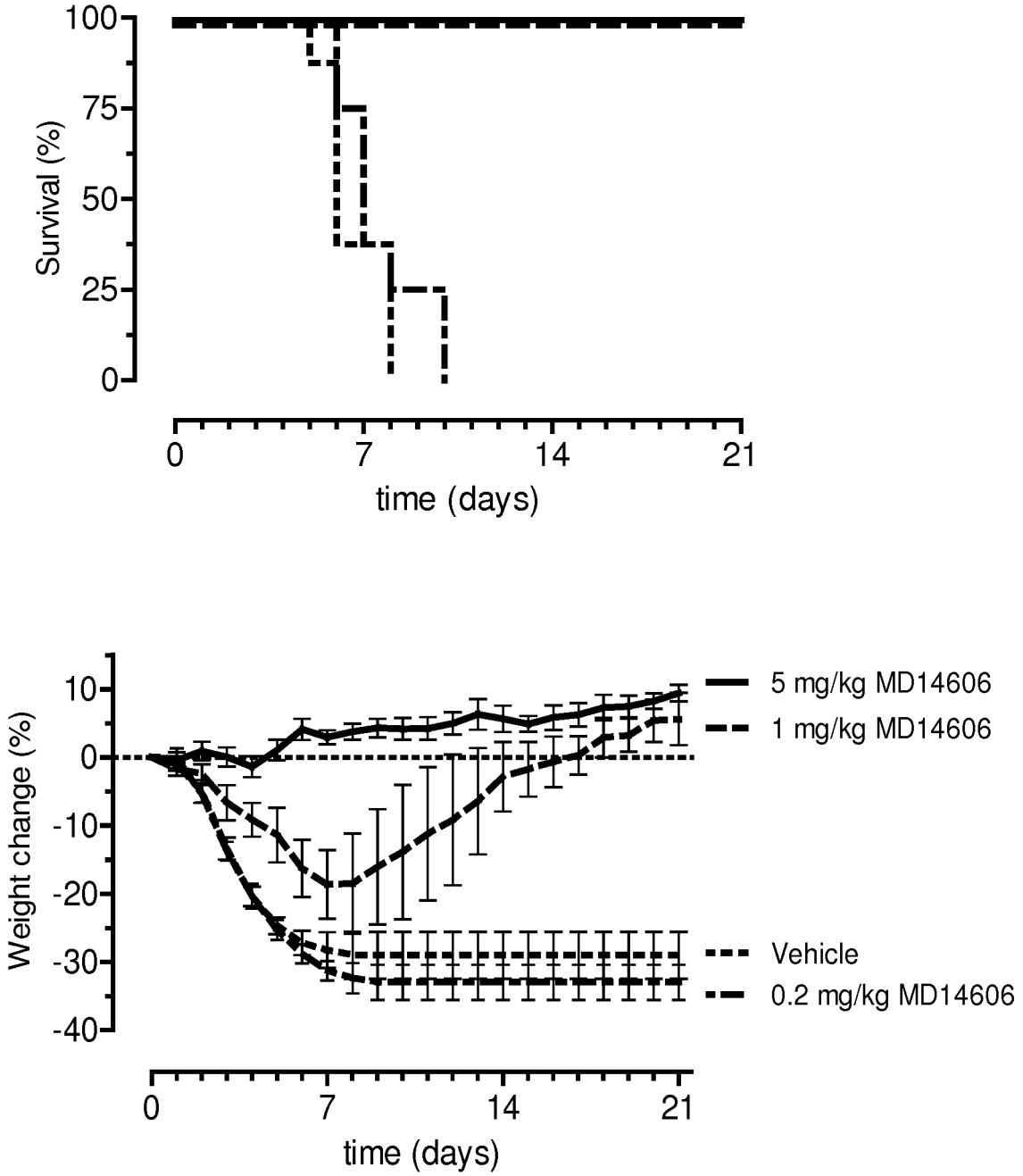

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg MD14606
1 mg/kg MD14606
Vehicle
0.2 mg/kg MD14606

Fig. 14a

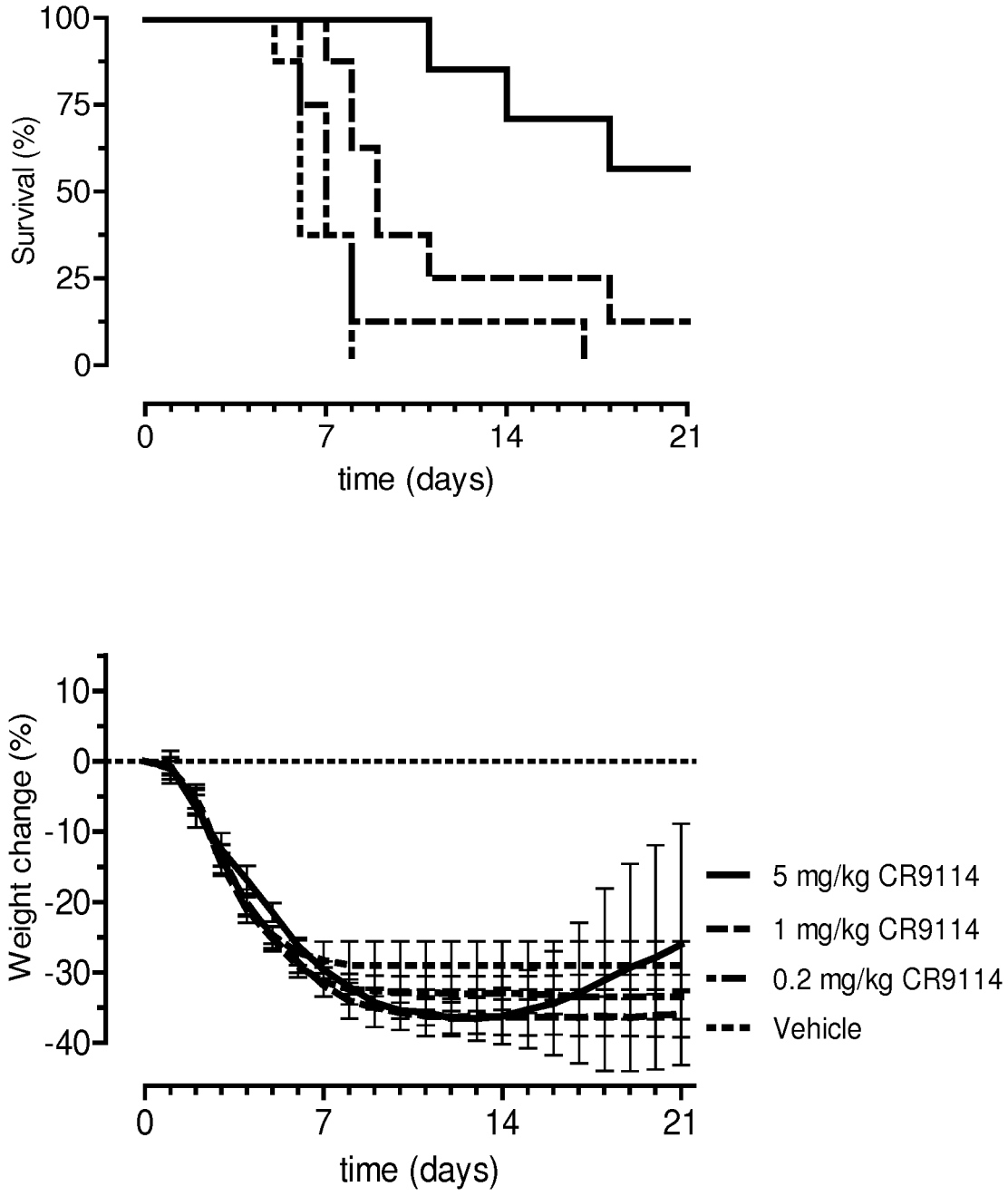
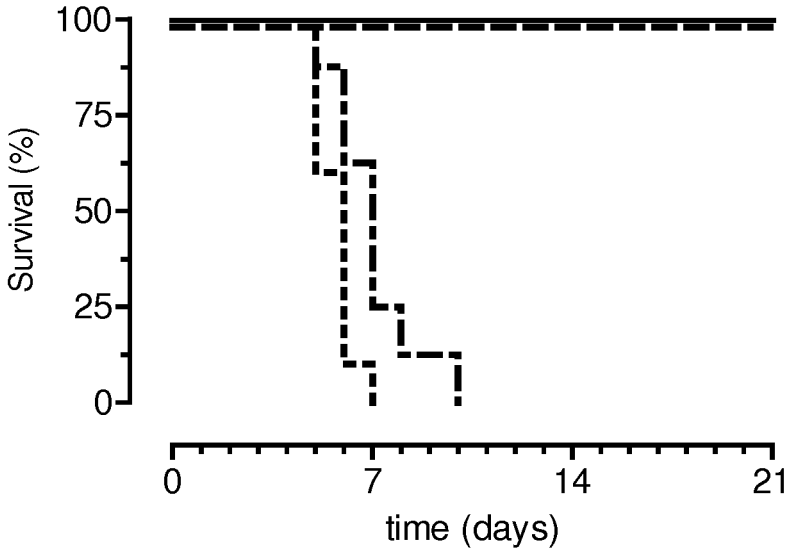

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg CR9114
1 mg/kg CR9114
0.2 mg/kg CR9114
Vehicle

Fig. 14b


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

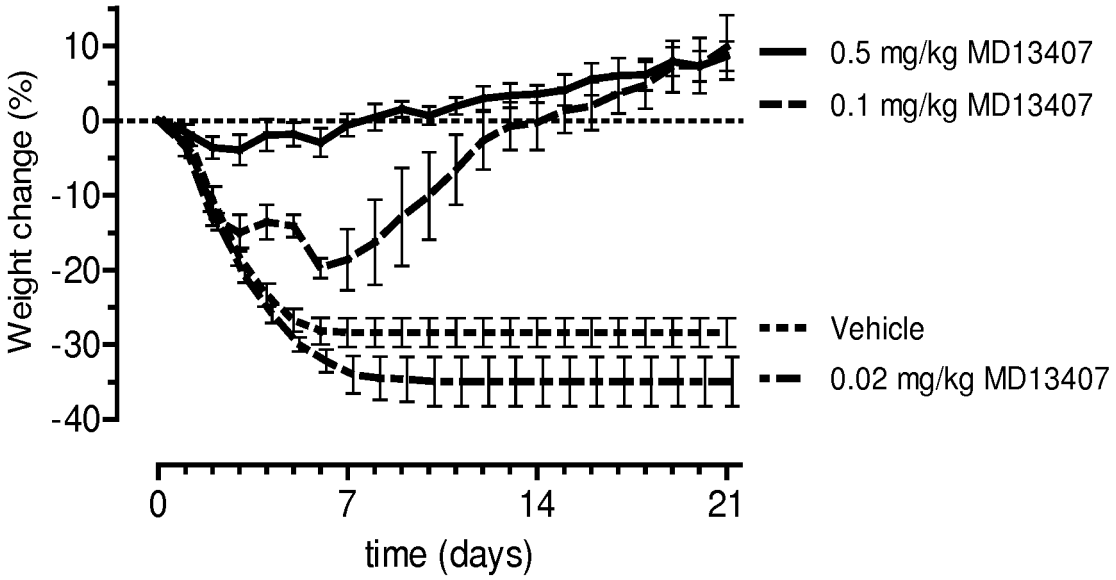
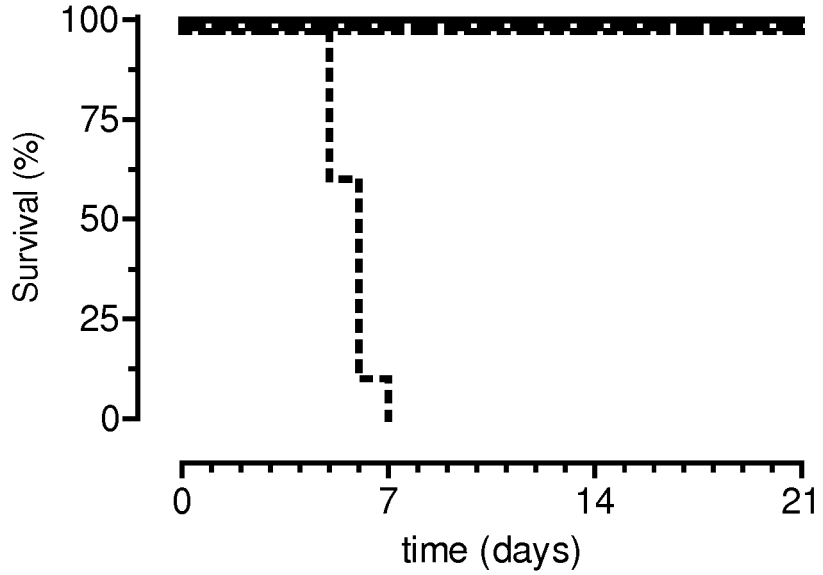

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg MD13407
0.1 mg/kg MD13407
Vehicle
0.02 mg/kg MD13407

Fig. 15a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

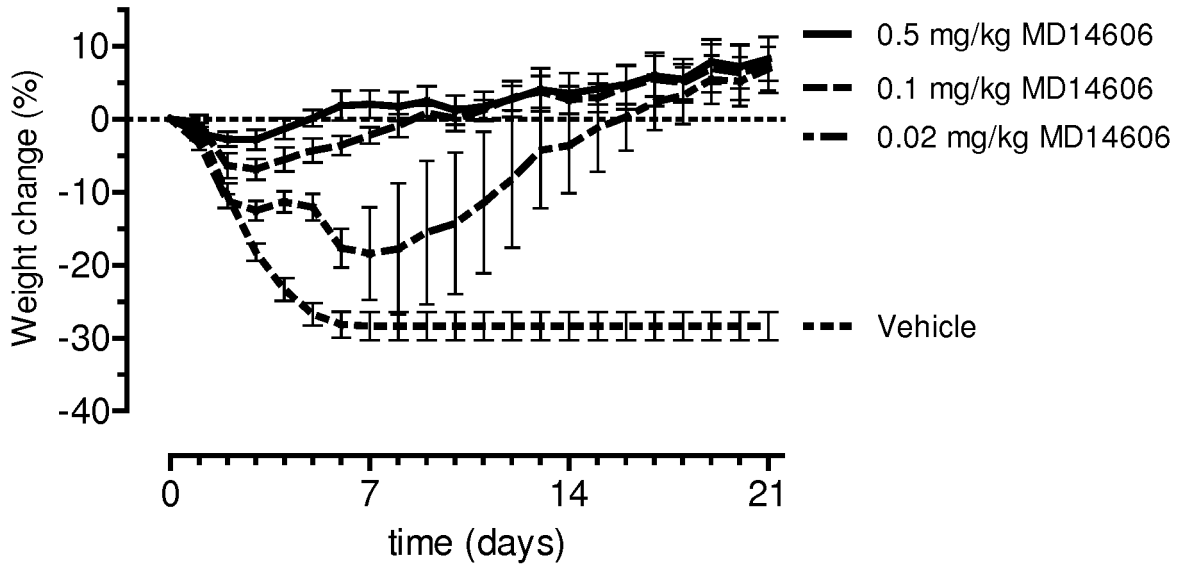

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg MD14606
0.1 mg/kg MD14606
0.02 mg/kg MD14606
Vehicle

Fig. 15b

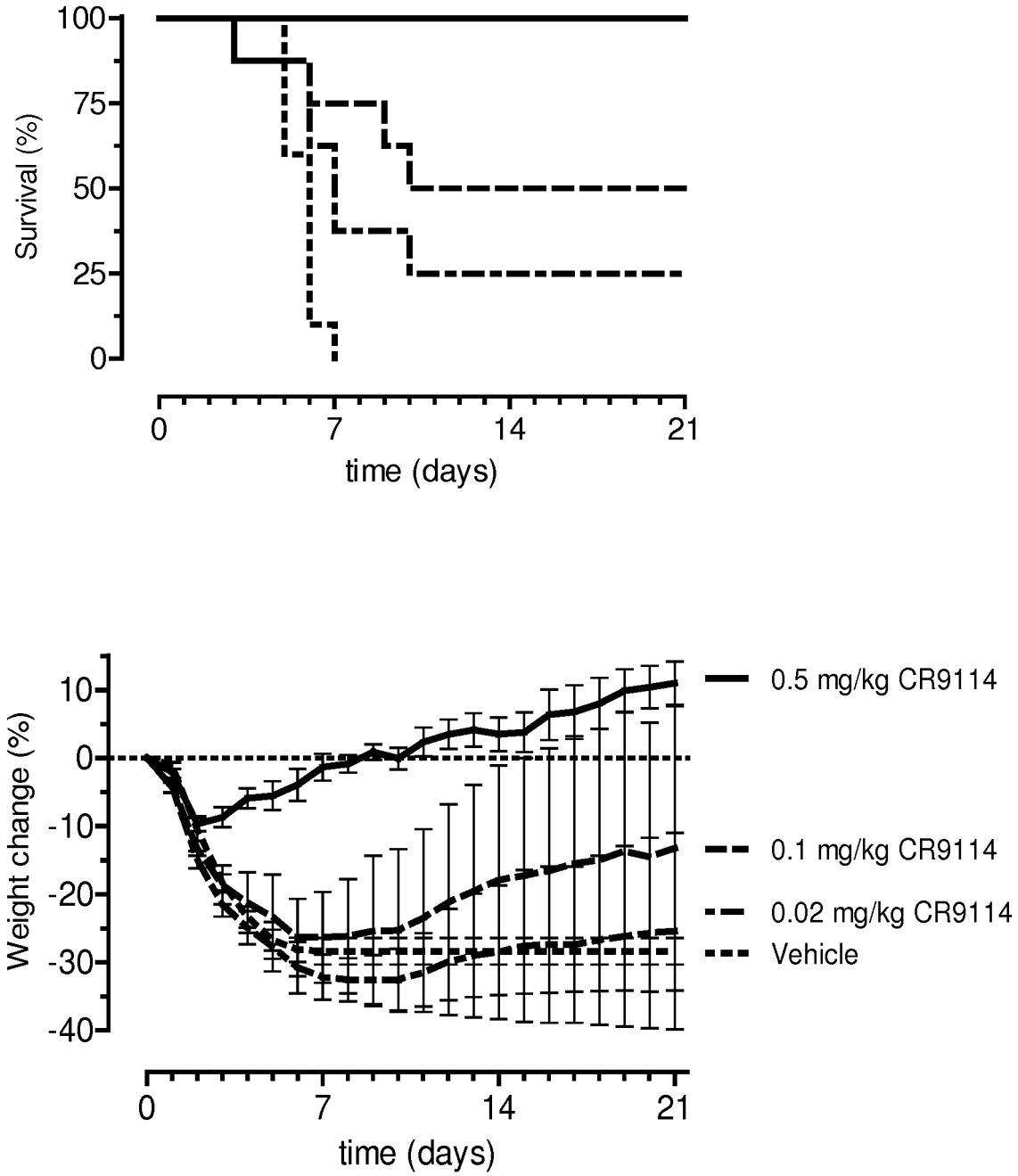
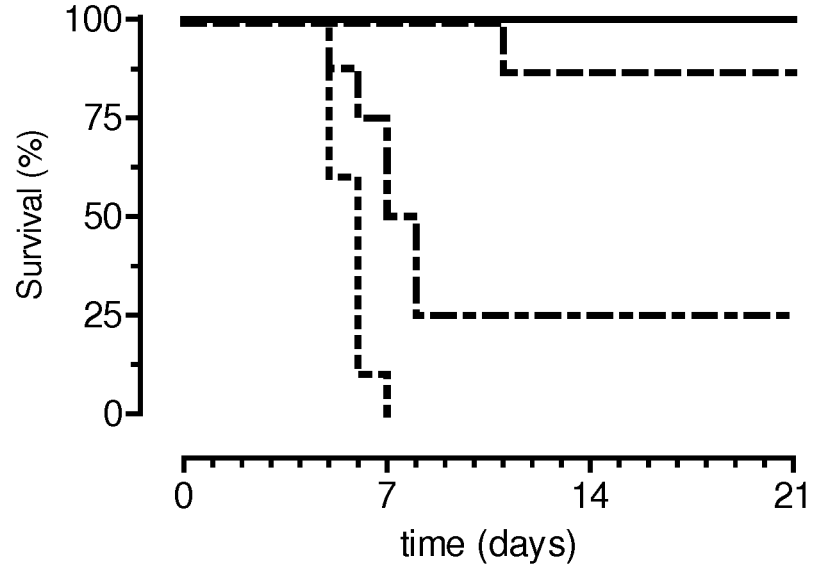

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.5 mg/kg CR9114
0.1 mg/kg CR9114
0.02 mg/kg CR9114
Vehicle

Fig. 15c


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

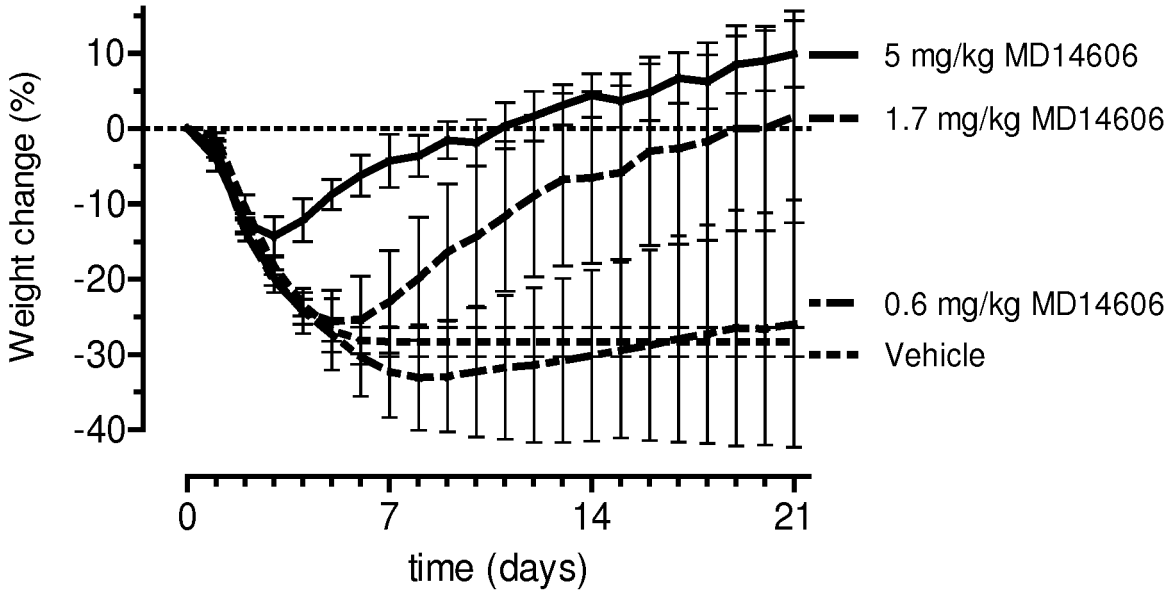
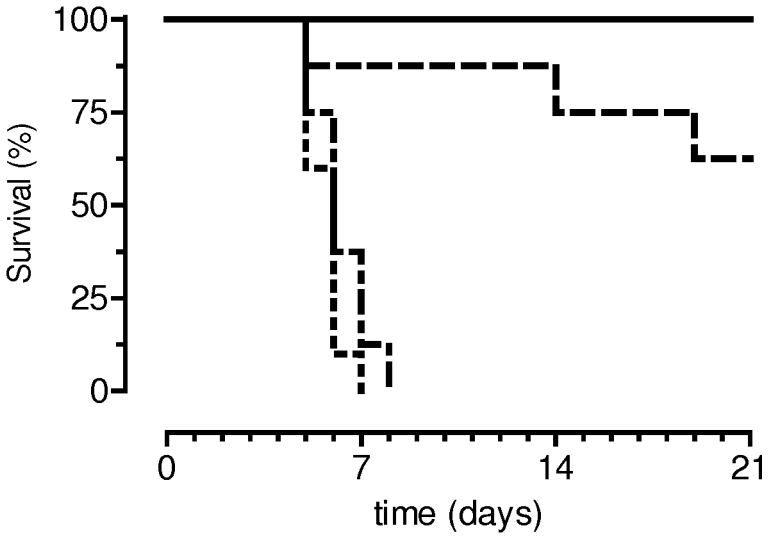

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg MD14606
1.7 mg/kg MD14606
0.6 mg/kg MD14606
Vehicle

Fig. 16a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

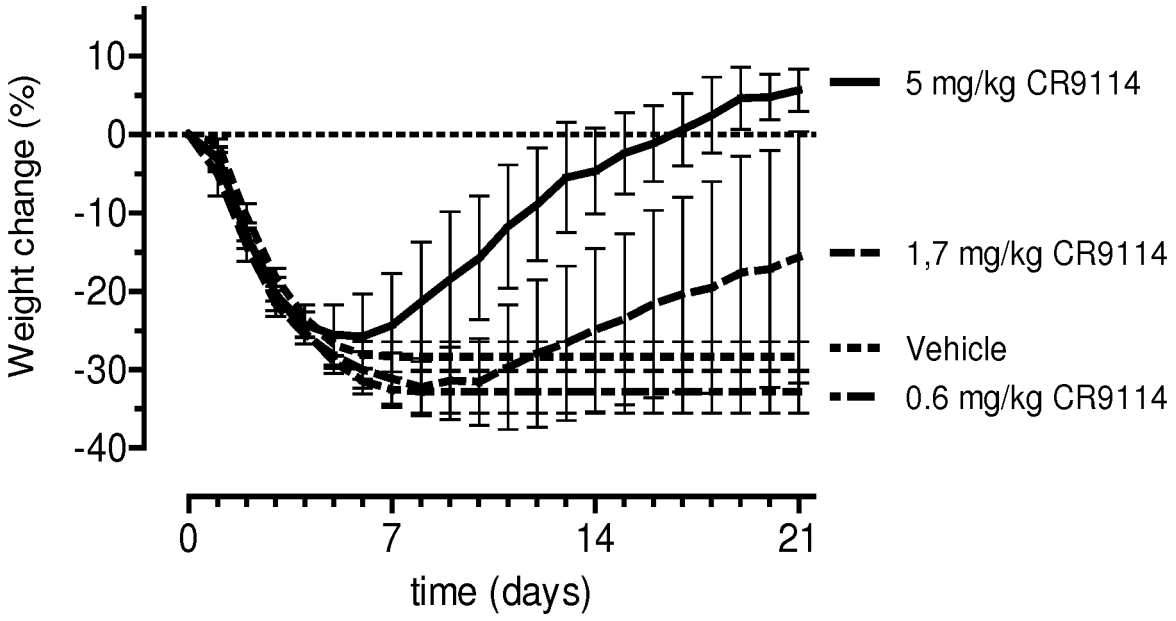

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg CR9114
1,7 mg/kg CR9114
Vehicle
0.6 mg/kg CR9114

Fig. 16b

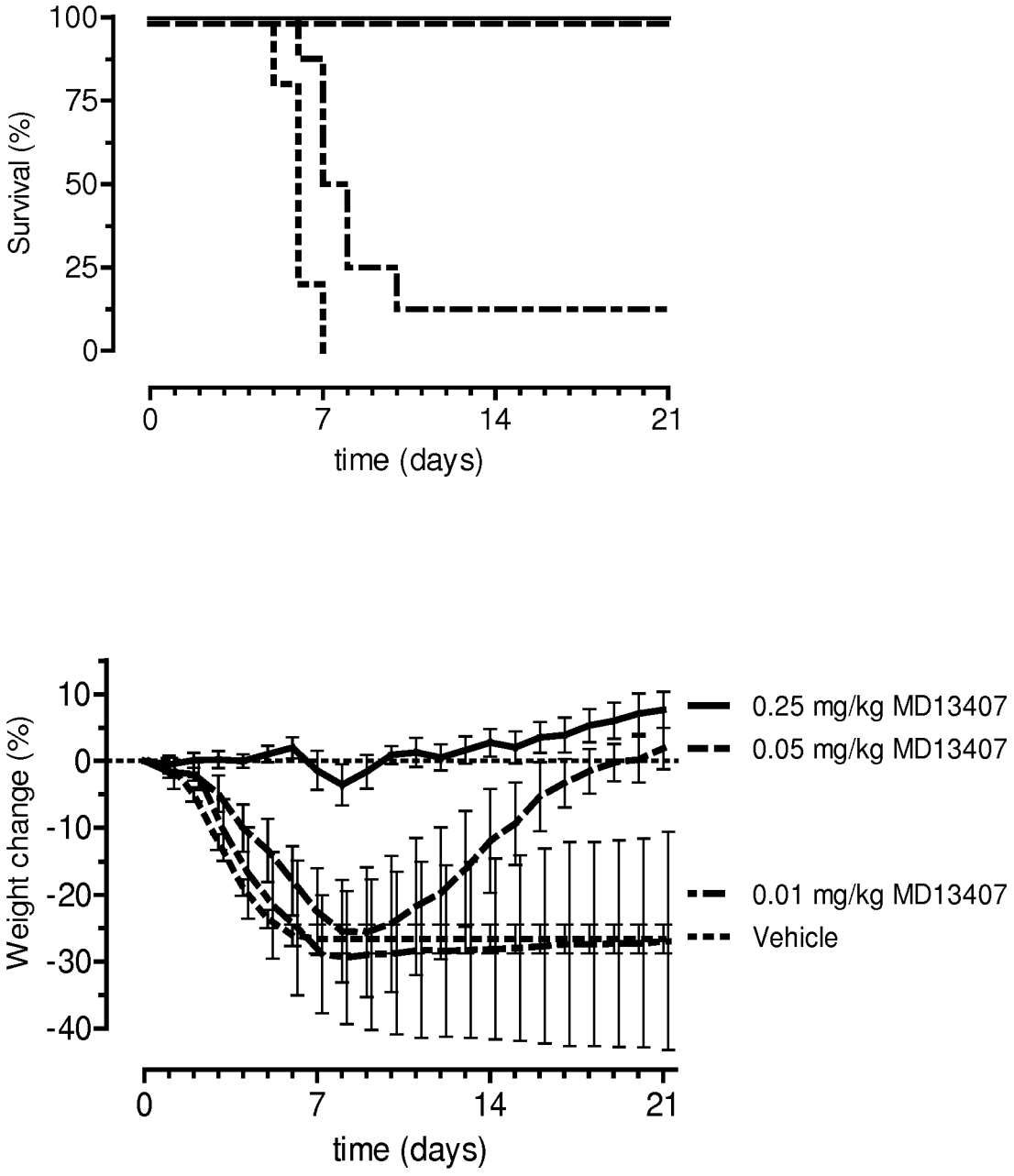
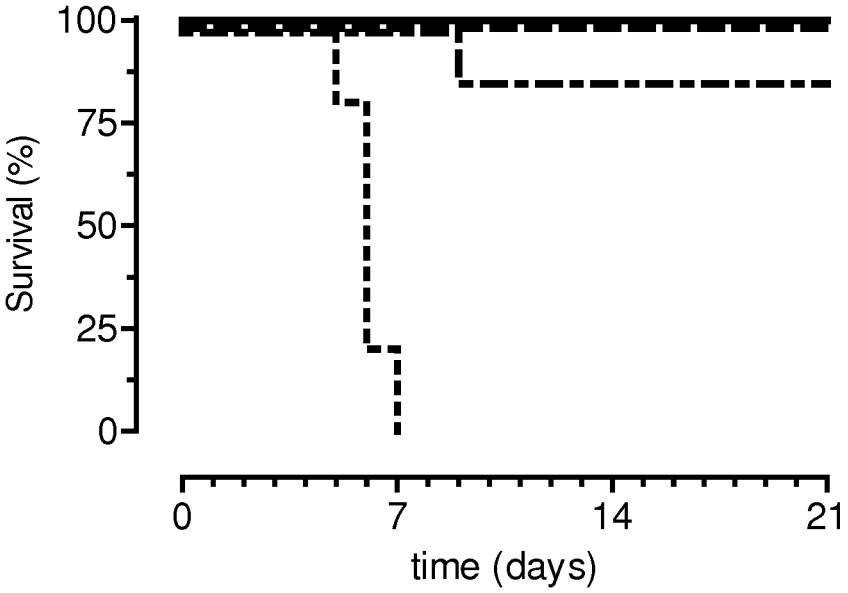

100
75
50
25
0
Survival (%)
0
7
14
21
time (days)
10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.25 mg/kg MD13407
0.05 mg/kg MD13407
0.01 mg/kg MD13407
Vehicle

Fig. 17a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

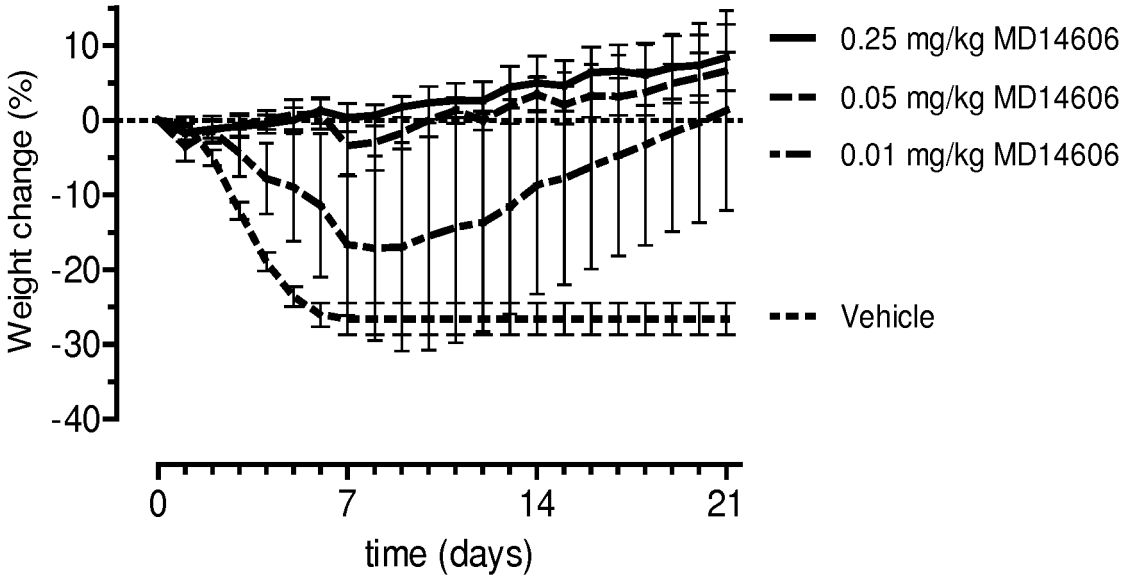
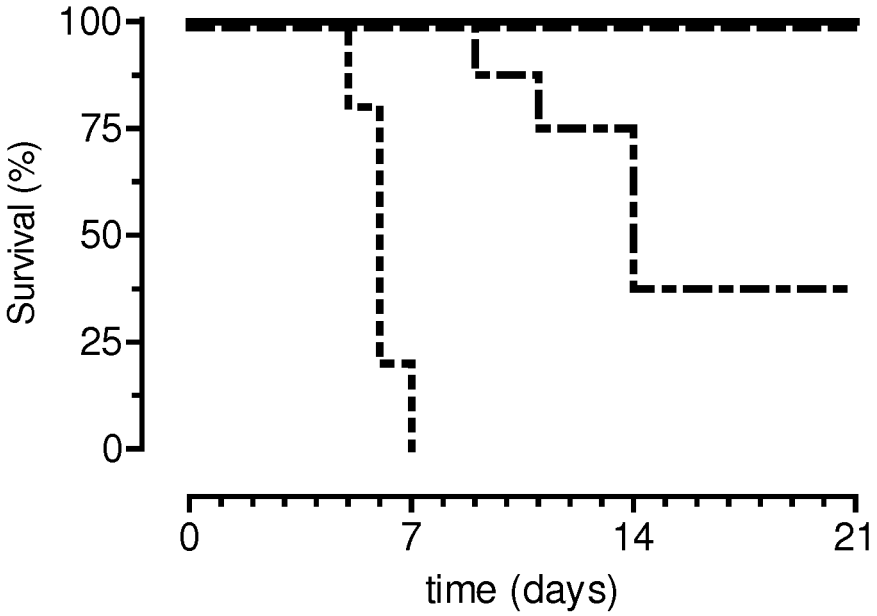

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.25 mg/kg MD14606
0.05 mg/kg MD14606
0.01 mg/kg MD14606
Vehicle

Fig. 17b


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

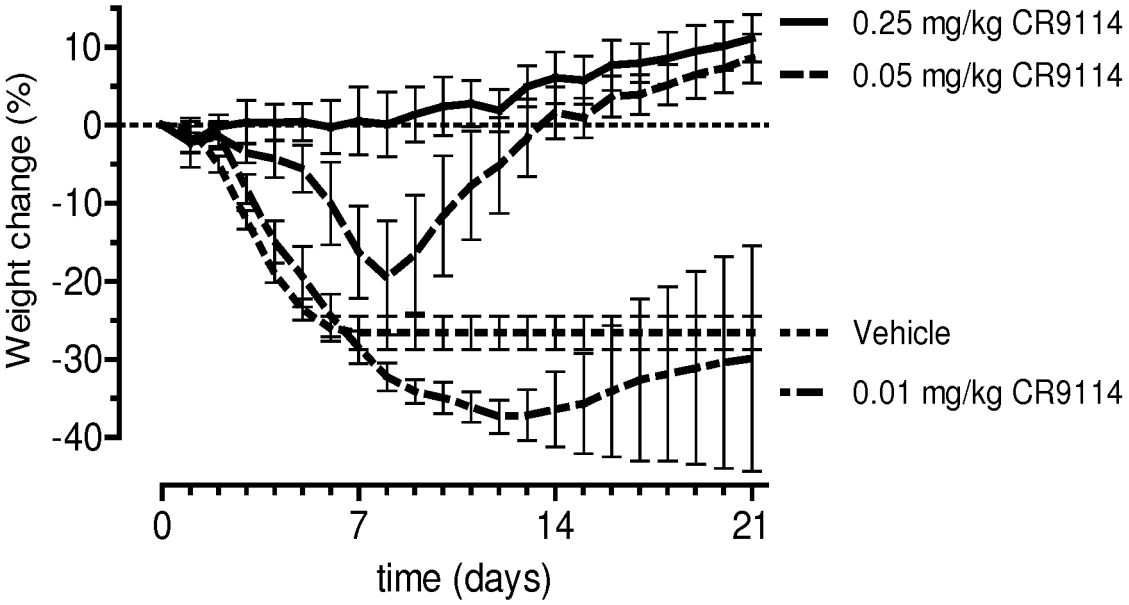
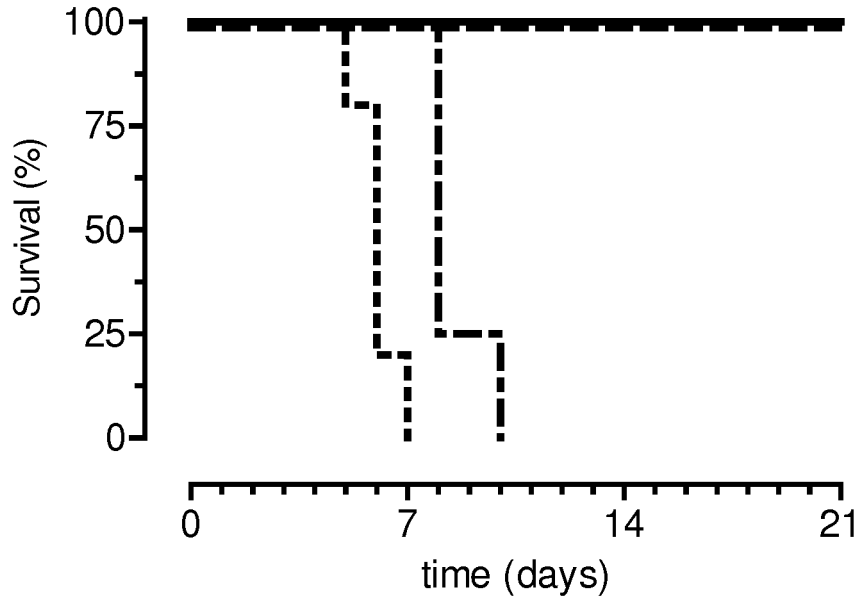

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
0.25 mg/kg CR9114
0.05 mg/kg CR9114
Vehicle
0.01 mg/kg CR9114

Fig. 17c


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

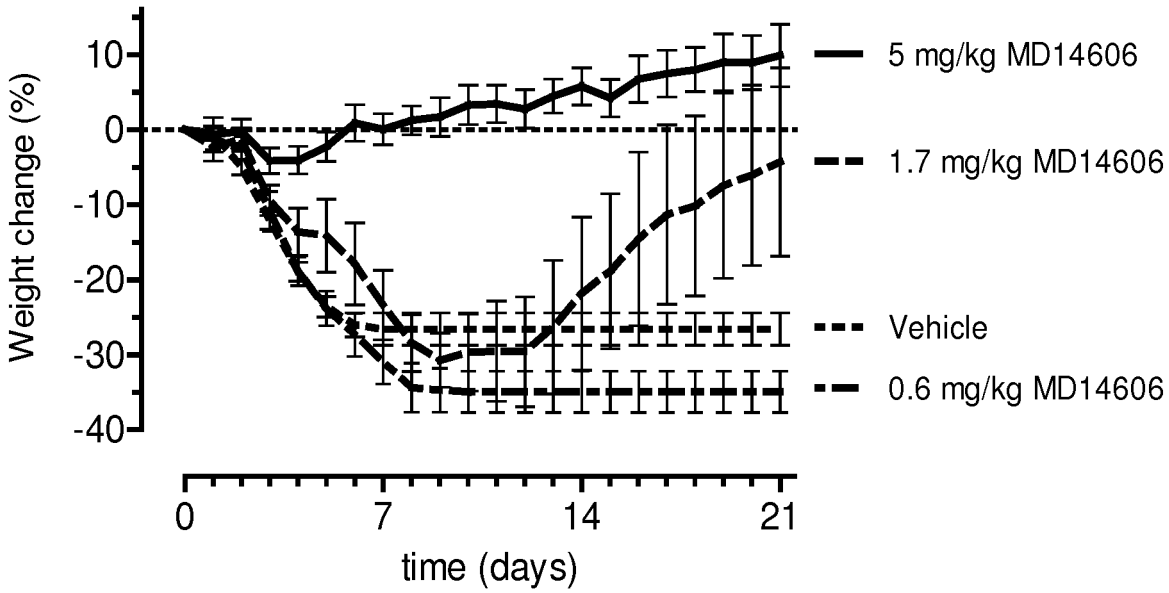
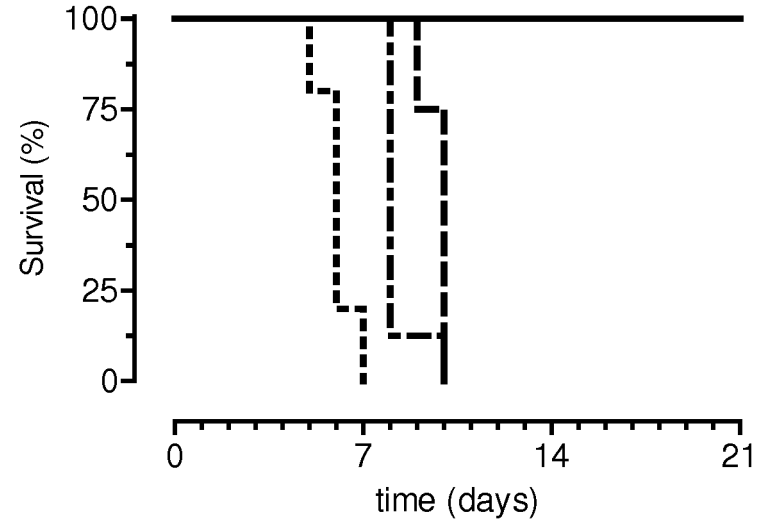

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg MD14606
1.7 mg/kg MD14606
Vehicle
0.6 mg/kg MD14606

Fig. 18a


100
75
50
25
0
Survival (%)
0
7
14
21
time (days)

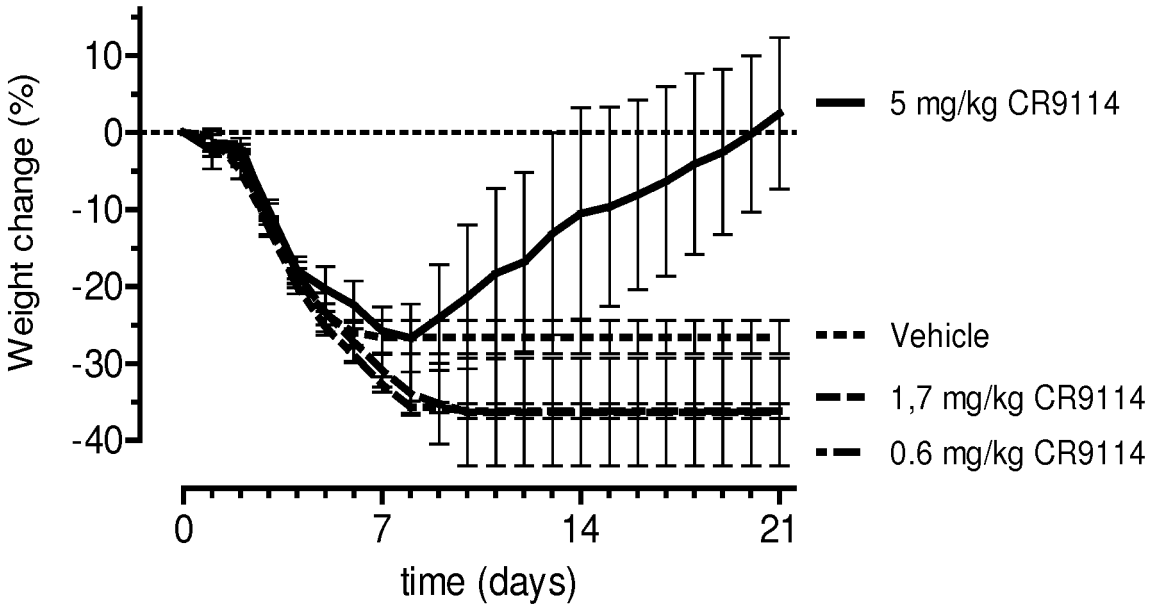

10
0
-10
-20
-30
-40
Weight change (%)
0
7
14
21
time (days)
5 mg/kg CR9114
Vehicle
1,7 mg/kg CR9114
0.6 mg/kg CR9114

Fig. 18b