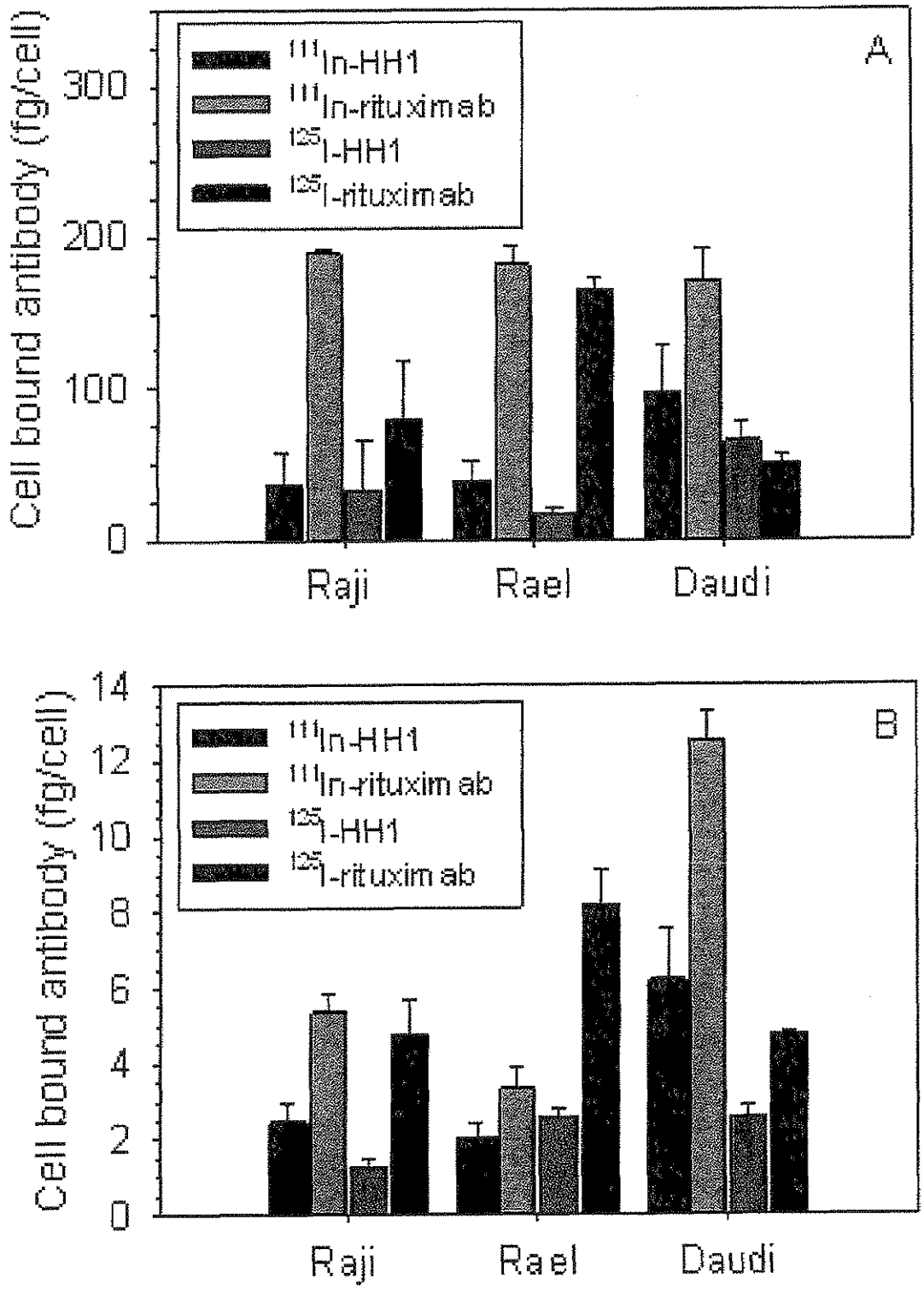

A
Cell bound antibody (fg/cell)
300
200
100
0
^{111}In-HH1
^{111}In-rituximab
^{125}I-HH1
^{125}I-rituximab
Raji
Rael
Daudi
B
Cell bound antibody (fg/cell)
14
12
10
8
6
4
2
0
^{111}In-HH1
^{111}In-rituximab
^{125}I-HH1
^{125}I-rituximab
Raji
Rael
Daudi

Fig. 1

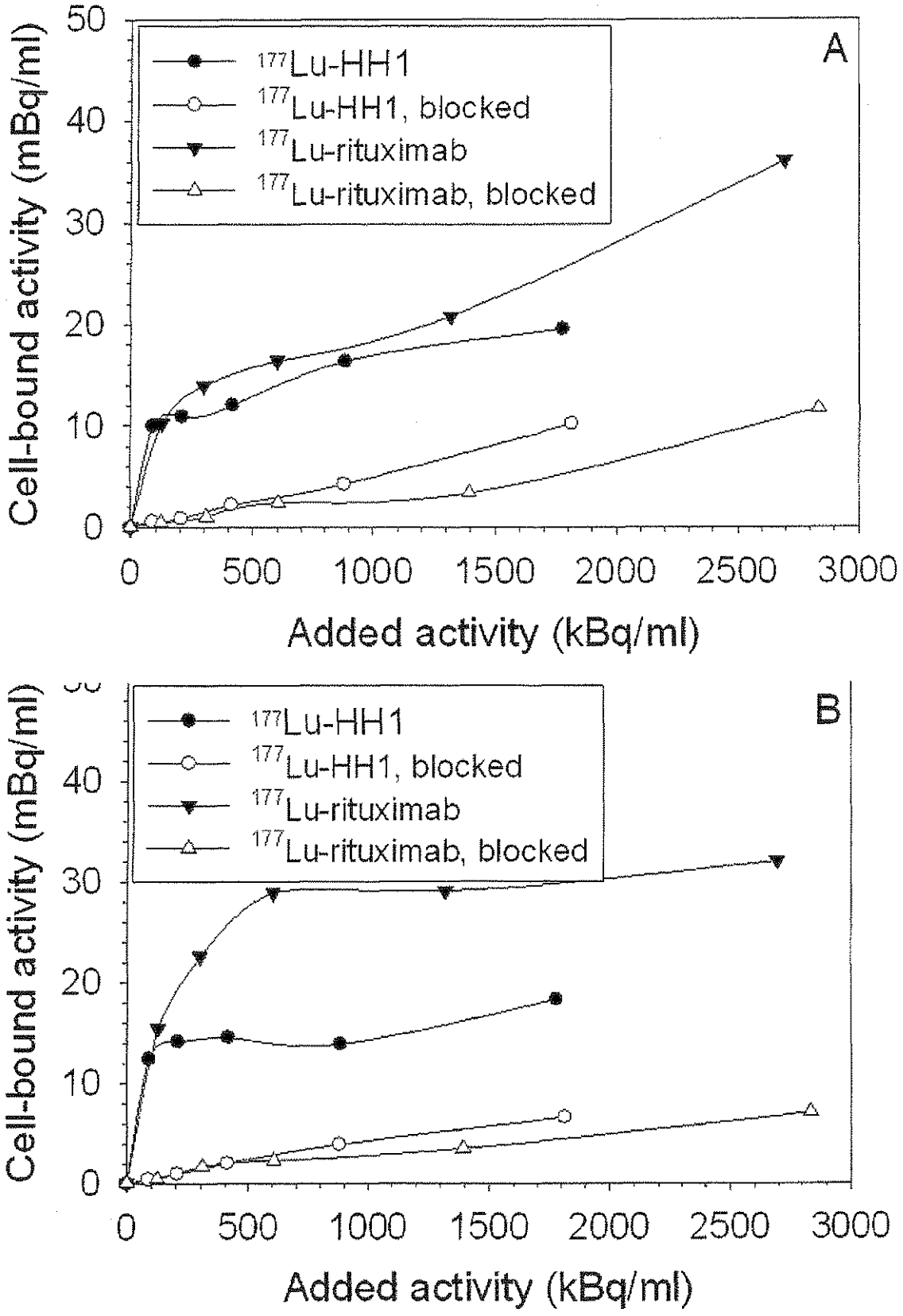

A
^{177}Lu-HH1
^{177}Lu-HH1, blocked
^{177}Lu-rituximab
^{177}Lu-rituximab, blocked
Cell-bound activity (mBq/ml)
Added activity (kBq/ml)
0
10
20
30
40
50
0
500
1000
1500
2000
2500
3000
B
^{177}Lu-HH1
^{177}Lu-HH1, blocked
^{177}Lu-rituximab
^{177}Lu-rituximab, blocked
Cell-bound activity (mBq/ml)
Added activity (kBq/ml)

Fig. 2

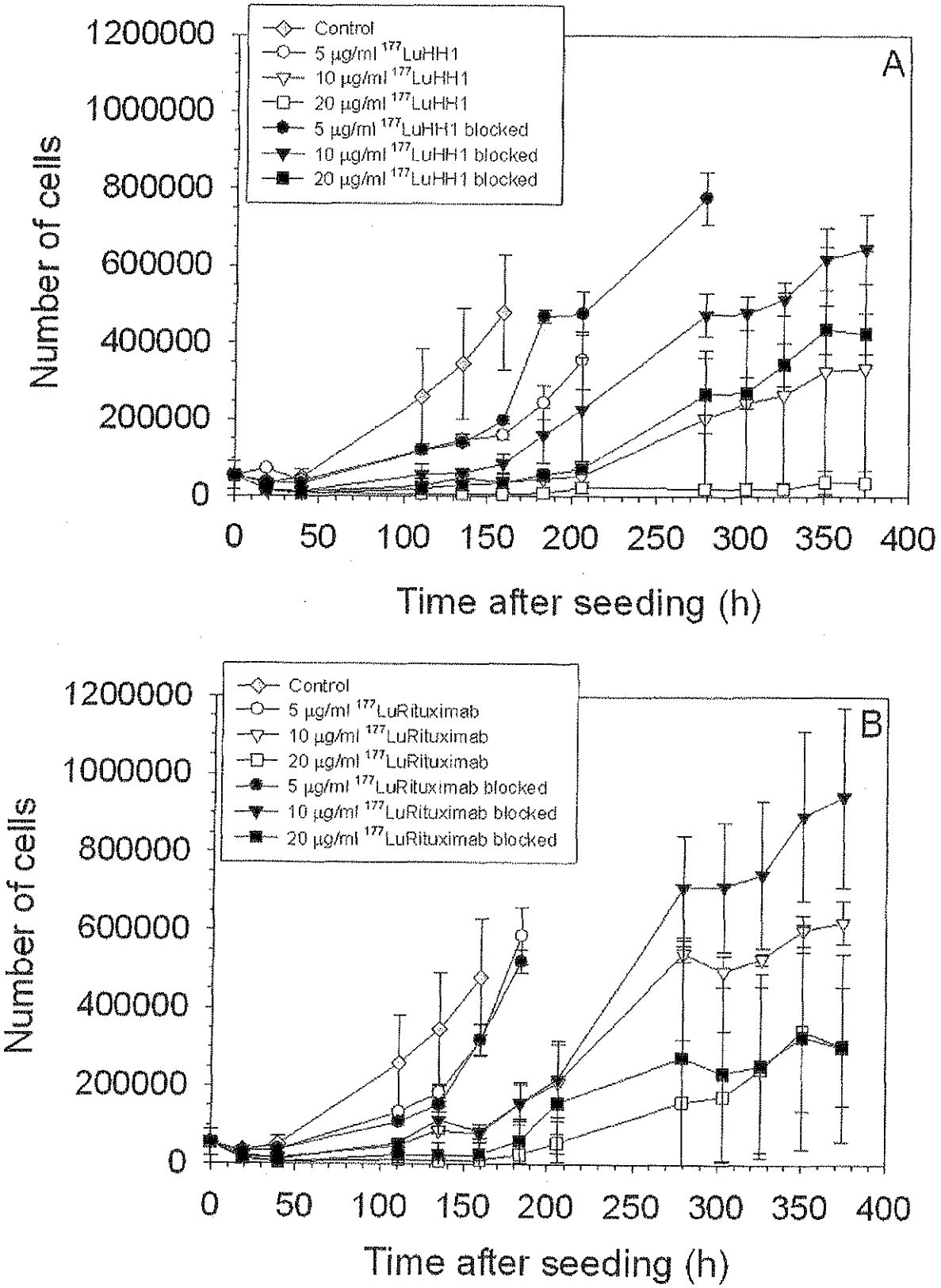

A
Control
5 µg/ml 177LuHH1
10 µg/ml 177LuHH1
20 µg/ml 177LuHH1
5 µg/ml 177LuHH1 blocked
10 µg/ml 177LuHH1 blocked
20 µg/ml 177LuHH1 blocked
Number of cells
1200000
1000000
800000
600000
400000
200000
0
0 50 100 150 200 250 300 350 400
Time after seeding (h)
B
Control
5 µg/ml 177LuRituximab
10 µg/ml 177LuRituximab
20 µg/ml 177LuRituximab
5 µg/ml 177LuRituximab blocked
10 µg/ml 177LuRituximab blocked
20 µg/ml 177LuRituximab blocked
Number of cells
1200000
1000000
800000
600000
400000
200000
0
0 50 100 150 200 250 300 350 400
Time after seeding (h)

Fig. 3

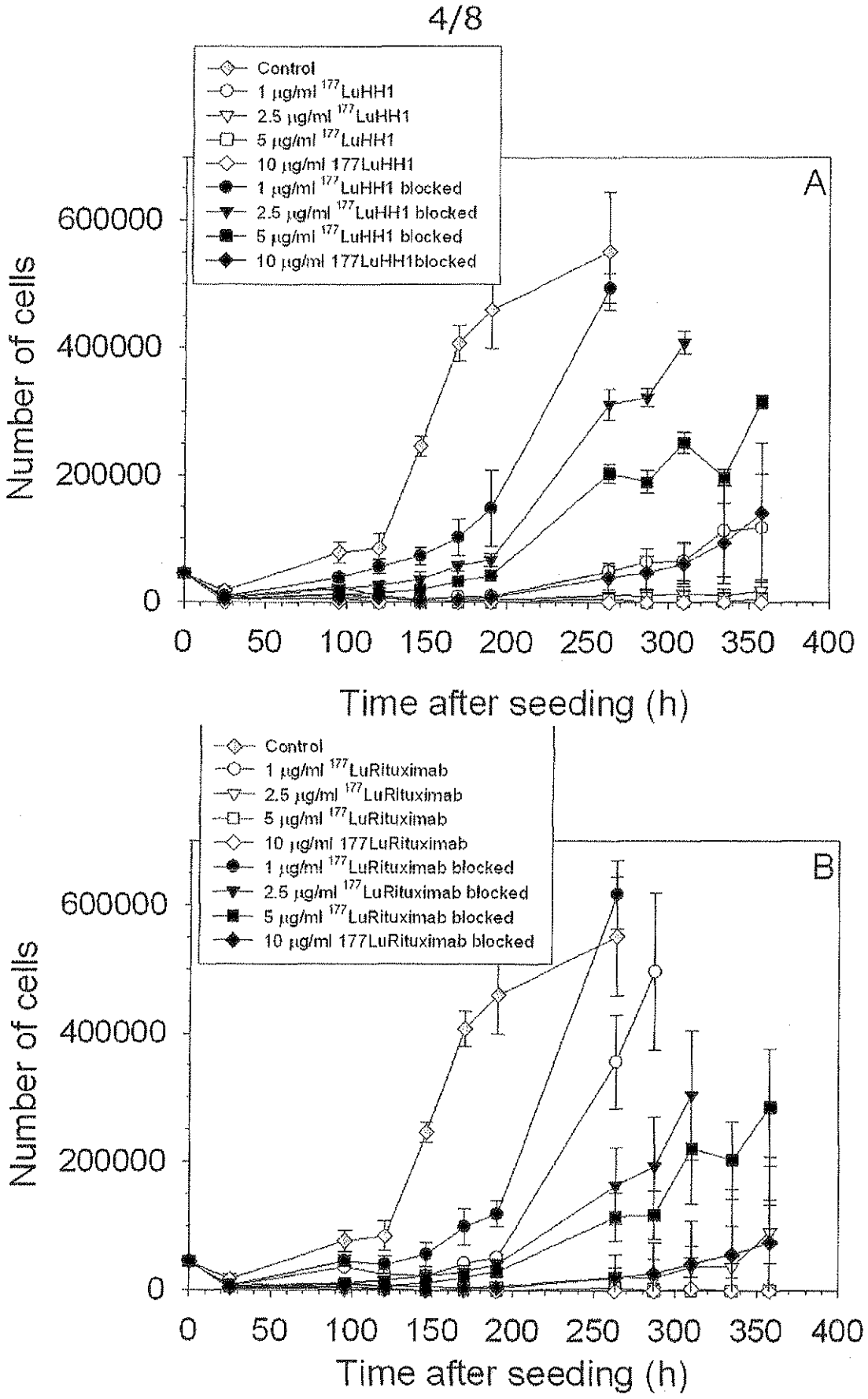

Control
1 µg/ml 177LuHH1
2.5 µg/ml 177LuHH1
5 µg/ml 177LuHH1
10 µg/ml 177LuHH1
1 µg/ml 177LuHH1 blocked
2.5 µg/ml 177LuHH1 blocked
5 µg/ml 177LuHH1 blocked
10 µg/ml 177LuHH1blocked
A
Number of cells
600000
400000
200000
0
0 50 100 150 200 250 300 350 400
Time after seeding (h)
Control
1 µg/ml 177LuRituximab
2.5 µg/ml 177LuRituximab
5 µg/ml 177LuRituximab
10 µg/ml 177LuRituximab
1 µg/ml 177LuRituximab blocked
2.5 µg/ml 177LuRituximab blocked
5 µg/ml 177LuRituximab blocked
10 µg/ml 177LuRituximab blocked
B
Number of cells
600000
400000
200000
0
0 50 100 150 200 250 300 350 400
Time after seeding (h)

Fig. 4

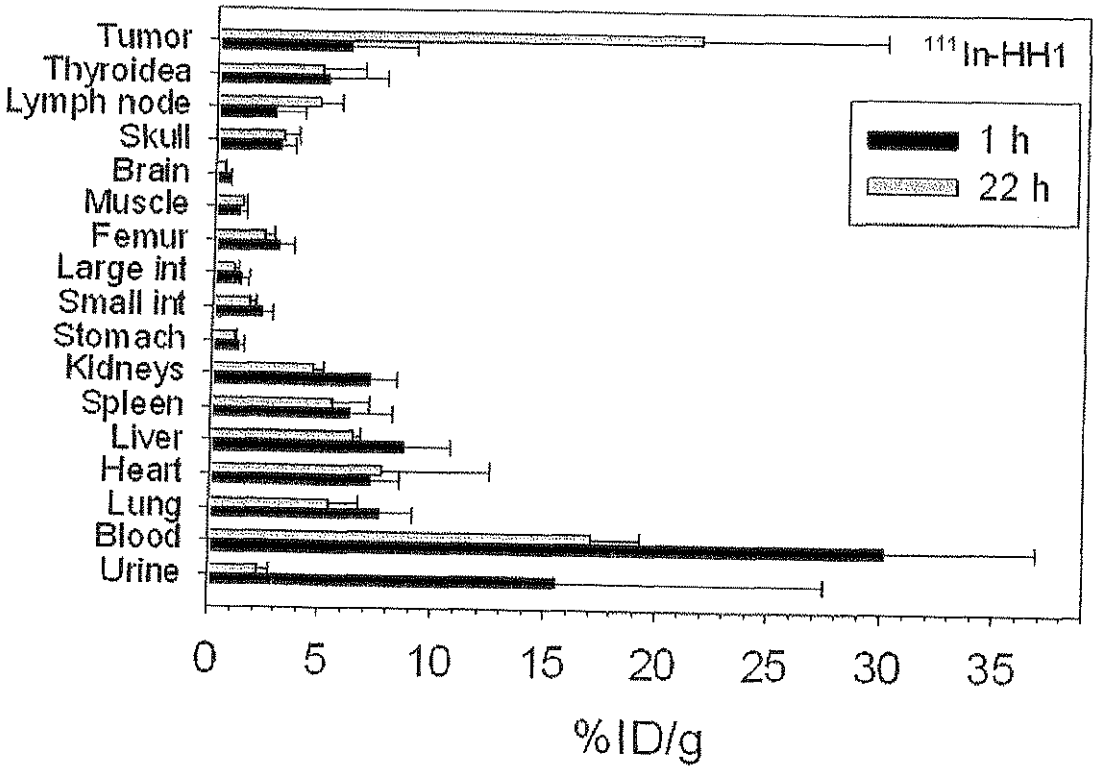

Tumor
Thyroidea
Lymph node
Skull
Brain
Muscle
Femur
Large int
Small int
Stomach
Kidneys
Spleen
Liver
Heart
Lung
Blood
Urine
111In-HH1
1 h
22 h
0
5
10
15
20
25
30
35
%ID/g

Fig. 5

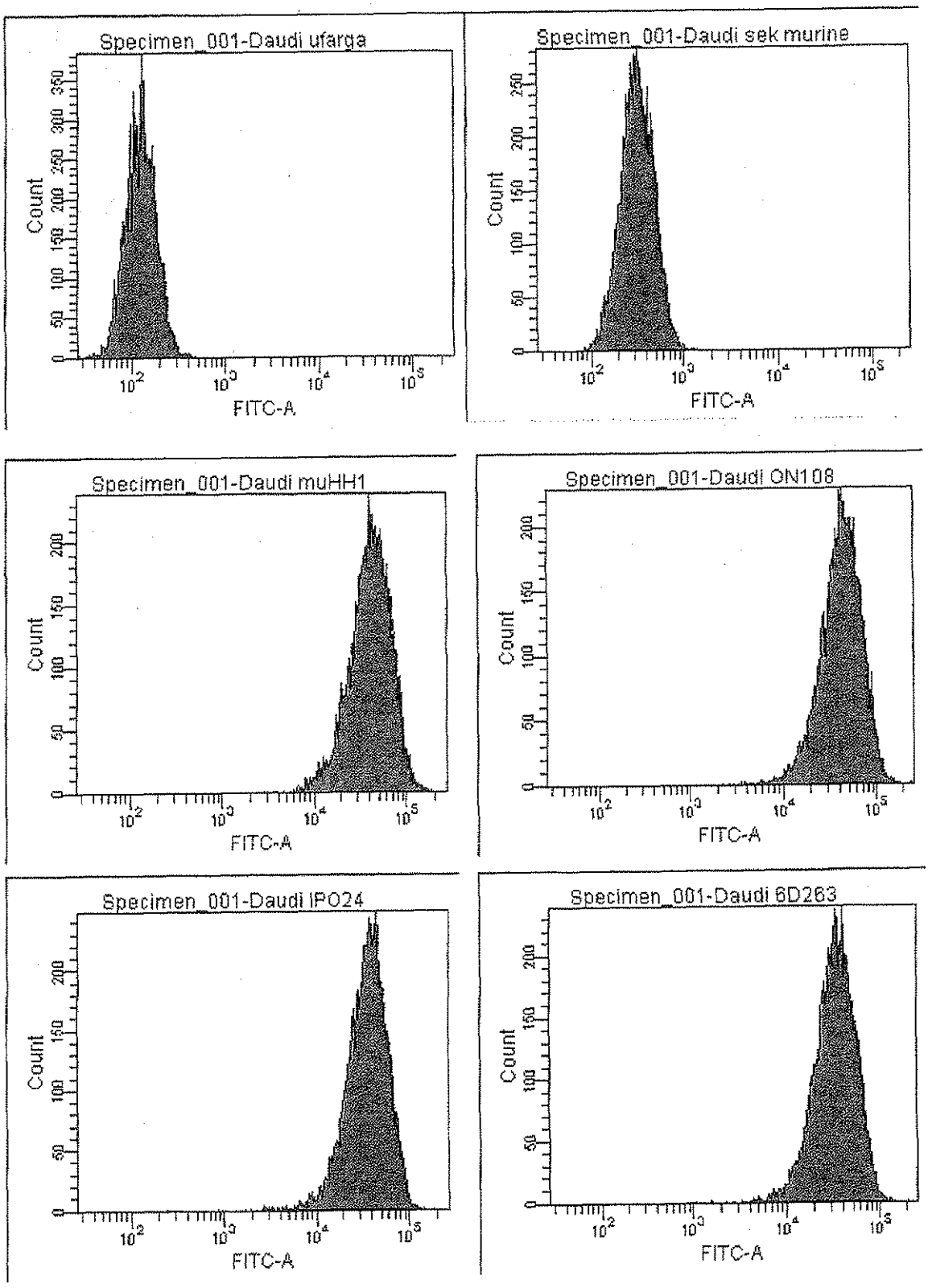

Specimen_001-Daudi ufarga
Specimen_001-Daudi sek murine
Specimen_001-Daudi muHH1
Specimen_001-Daudi ON108
Specimen_001-Daudi IPO24
Specimen_001-Daudi 6D263
Count
FITC-A

Fig. 6

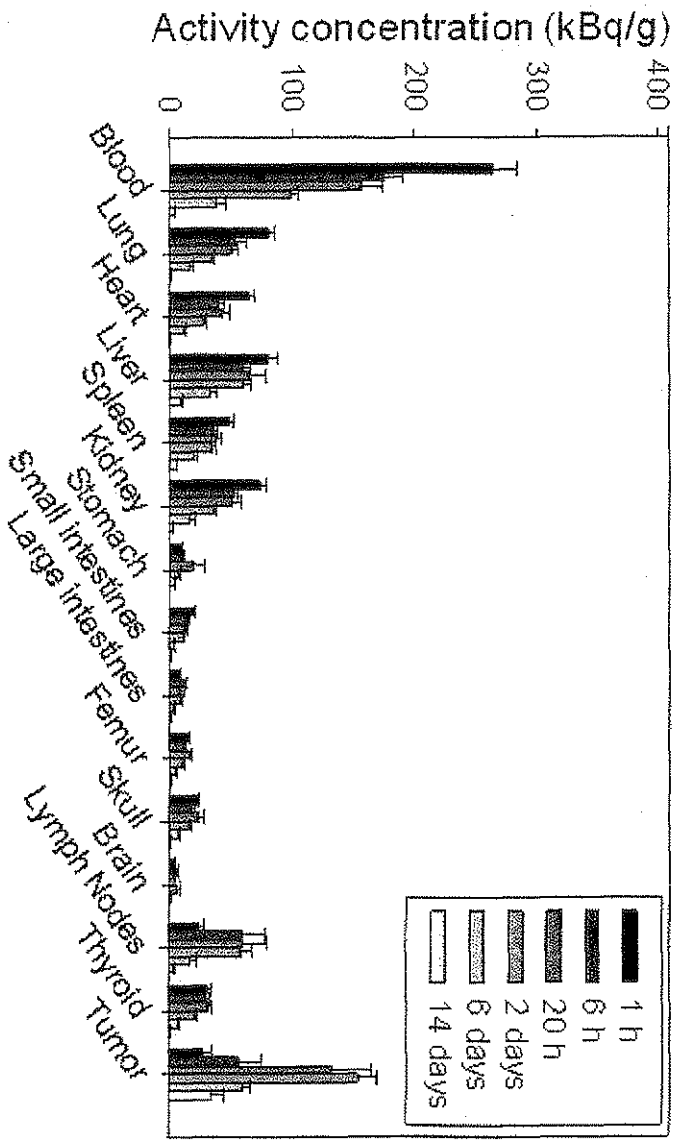

Activity concentration (kBq/g)
0
100
200
300
400
Blood
Lung
Heart
Liver
Spleen
Kidney
Stomach
Small intestines
Large intestines
Femur
Skull
Brain
Lymph Nodes
Thyroid
Tumor
1 h
6 h
20 h
2 days
6 days
14 days

Fig. 7

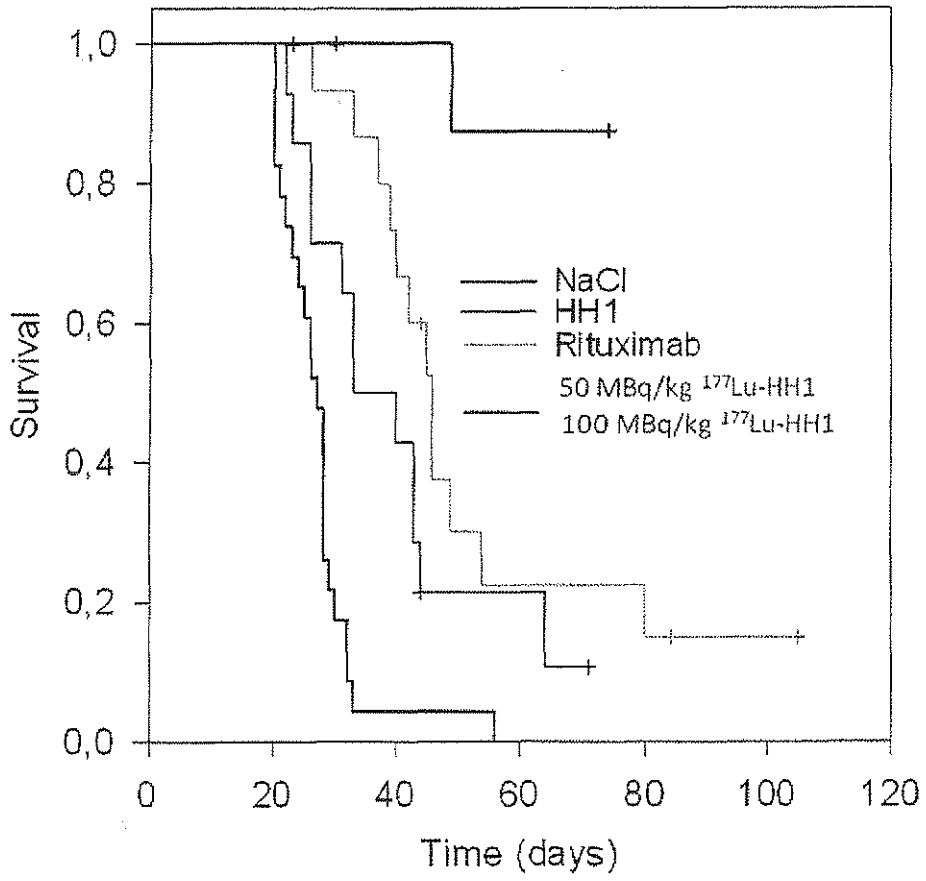

1,0
0,8
0,6
0,4
0,2
0,0
Survival
0
20
40
60
80
100
120
Time (days)
NaCl
HH1
Rituximab
50 MBq/kg 177Lu-HH1
100 MBq/kg 177Lu-HH1

Fig. 8