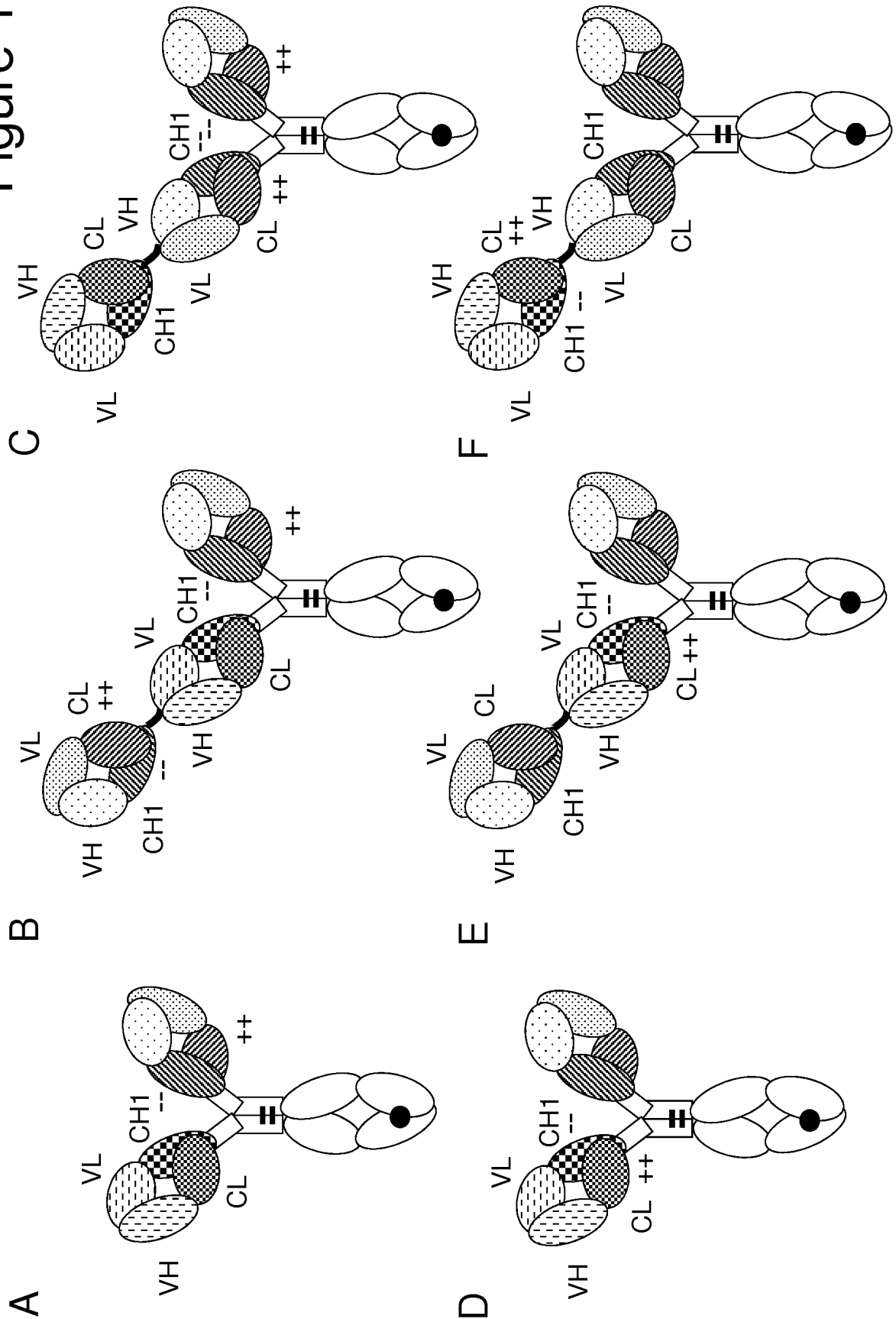


Figure 1



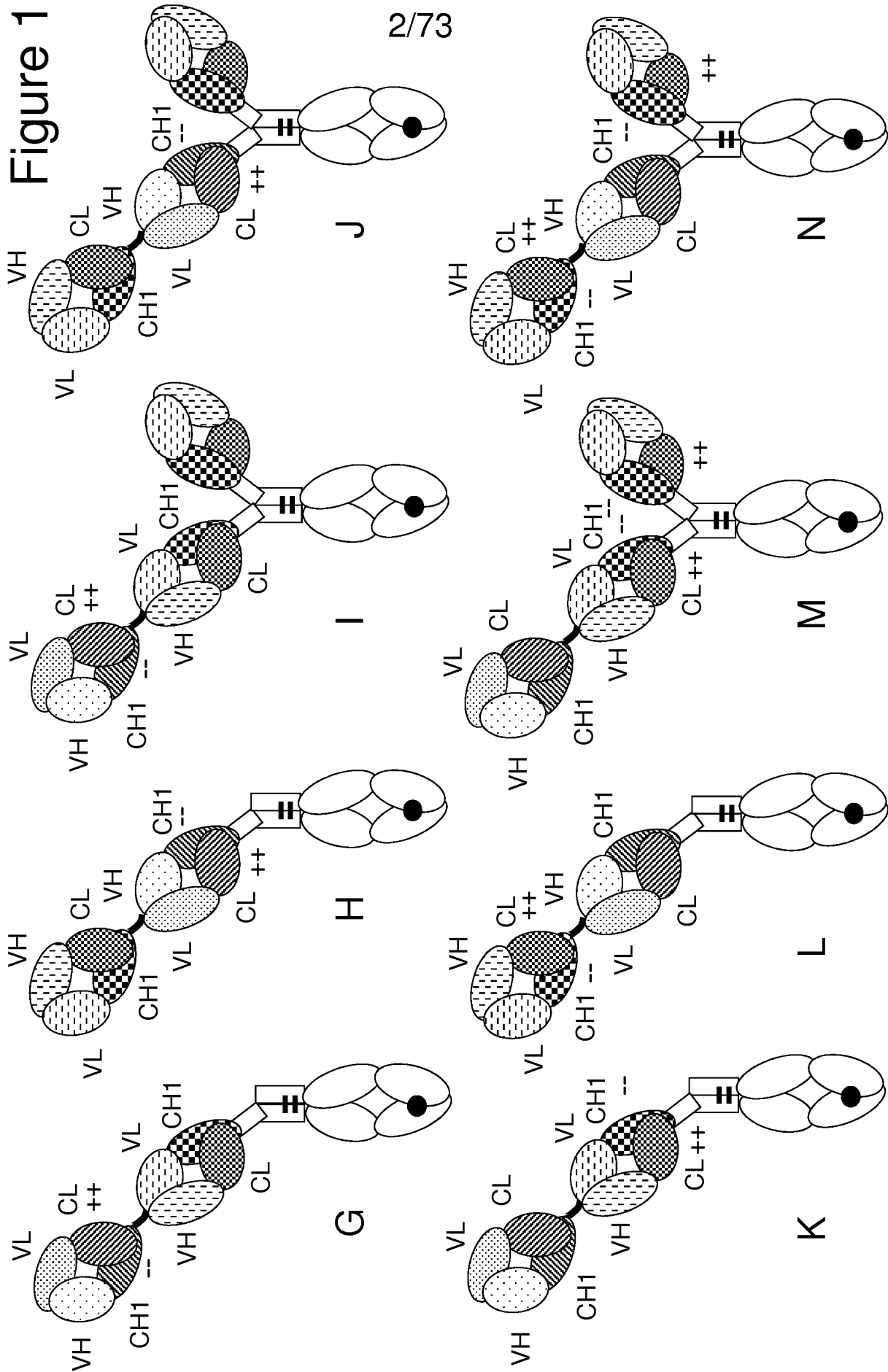


Figure 1

3/73

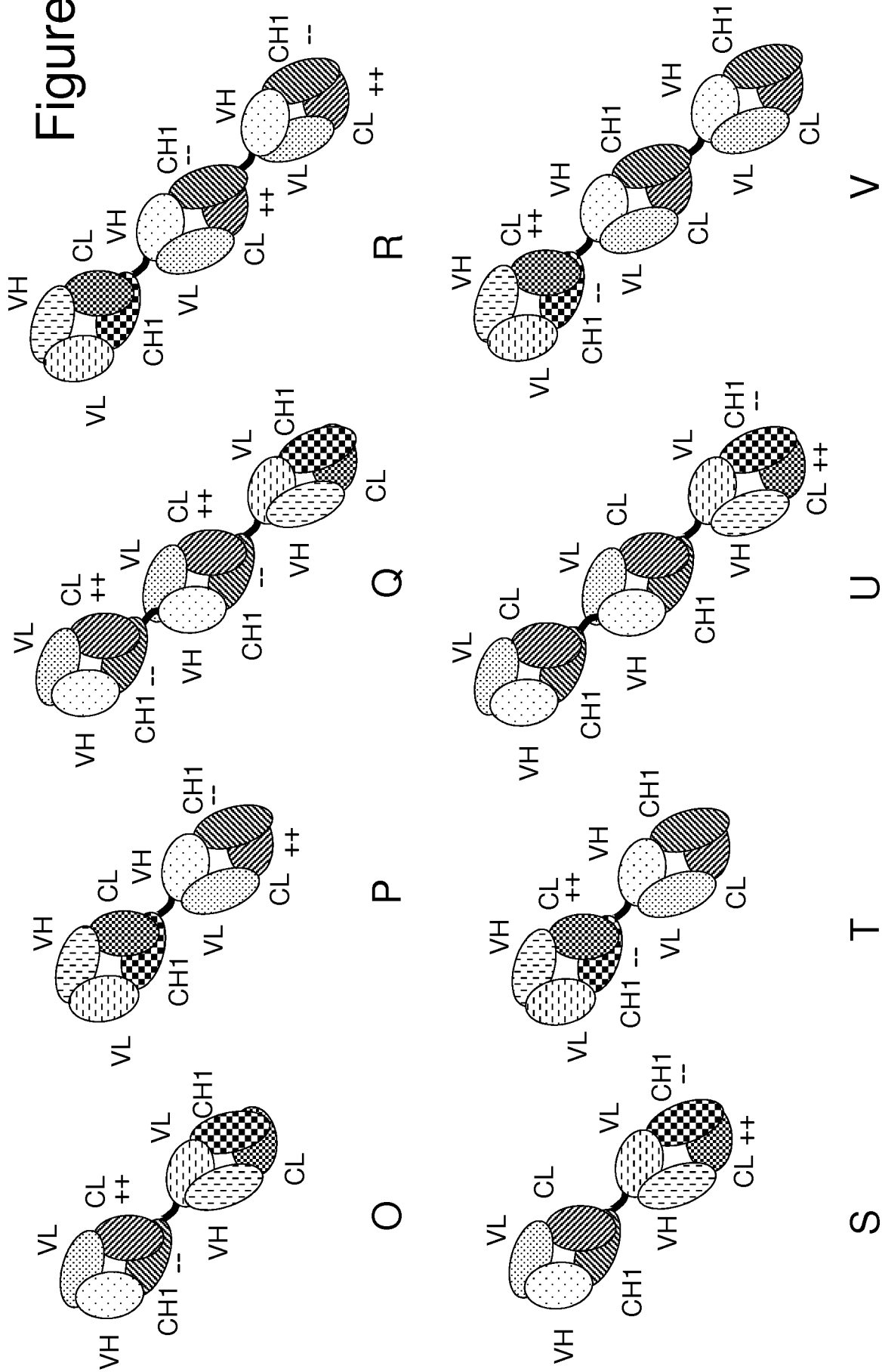
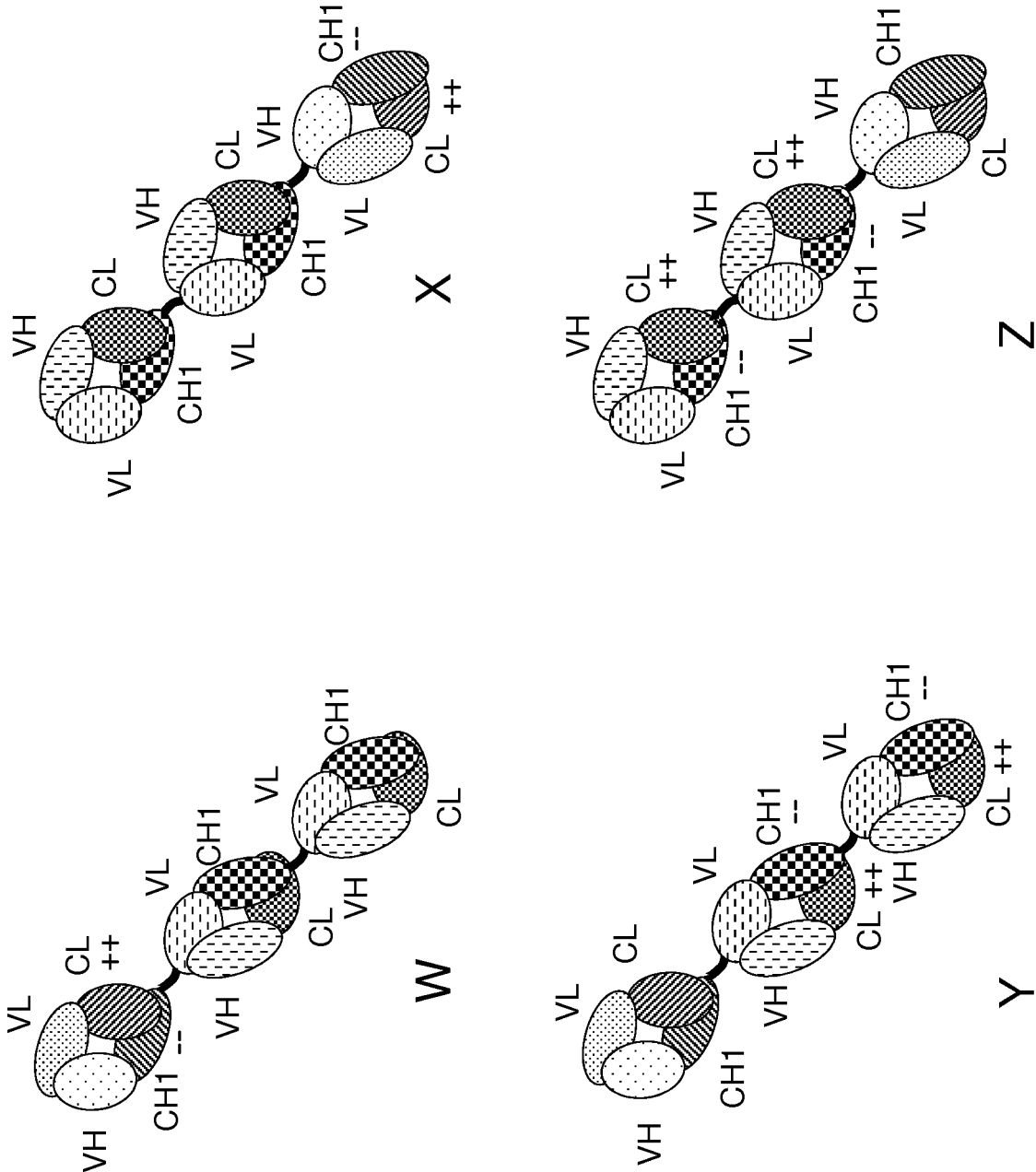


Figure 1



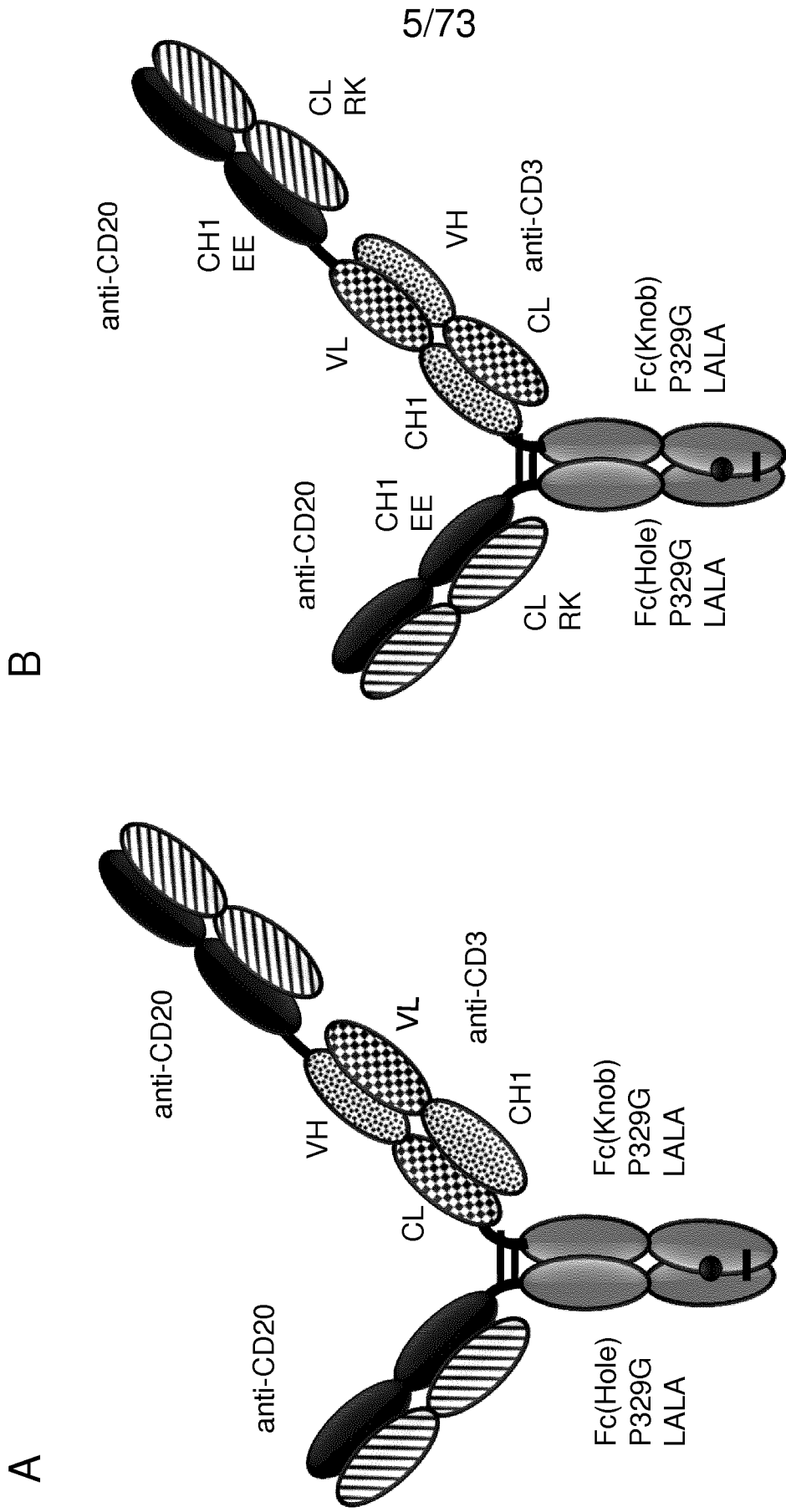


Figure 2

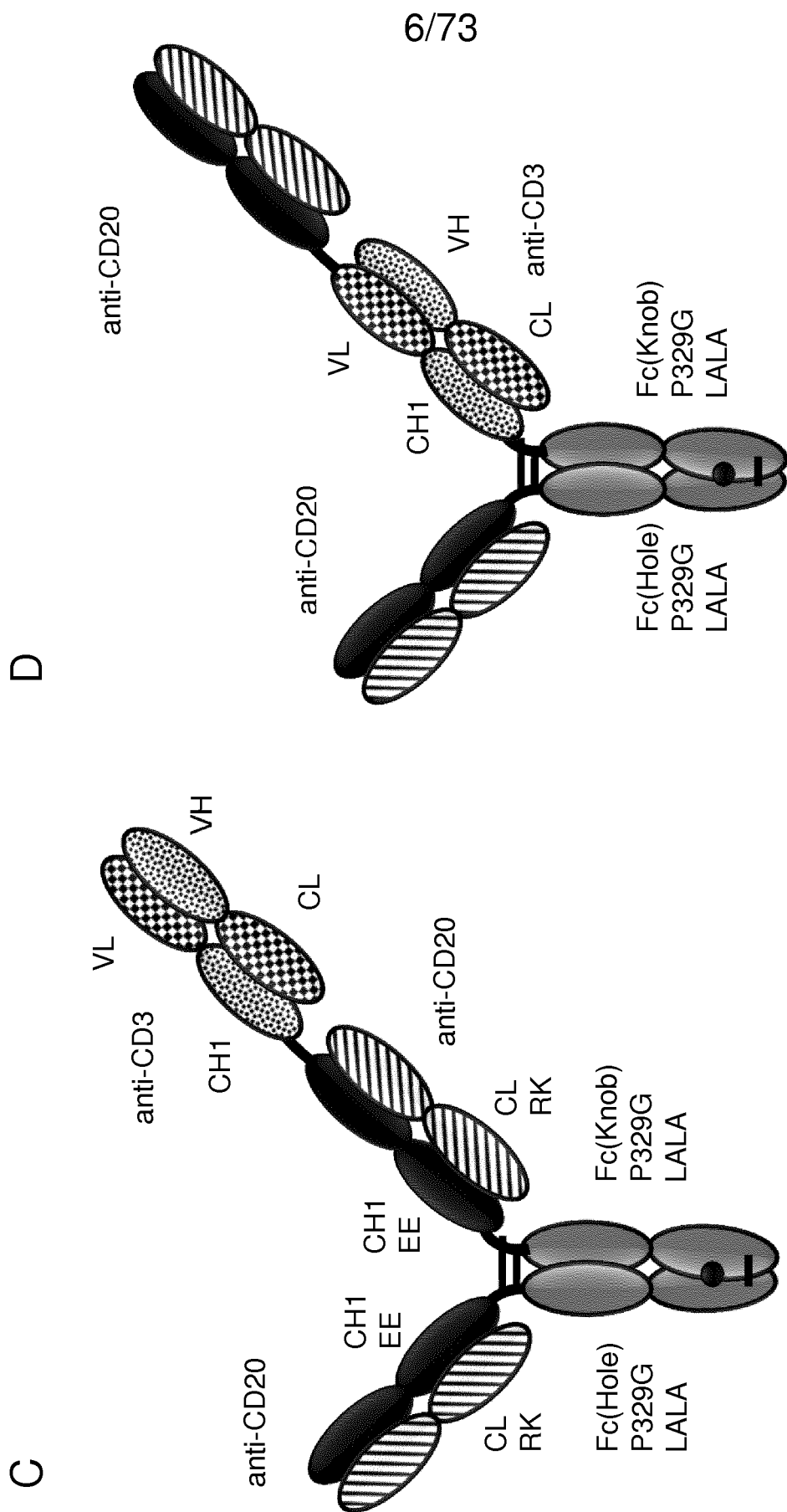


Figure 2

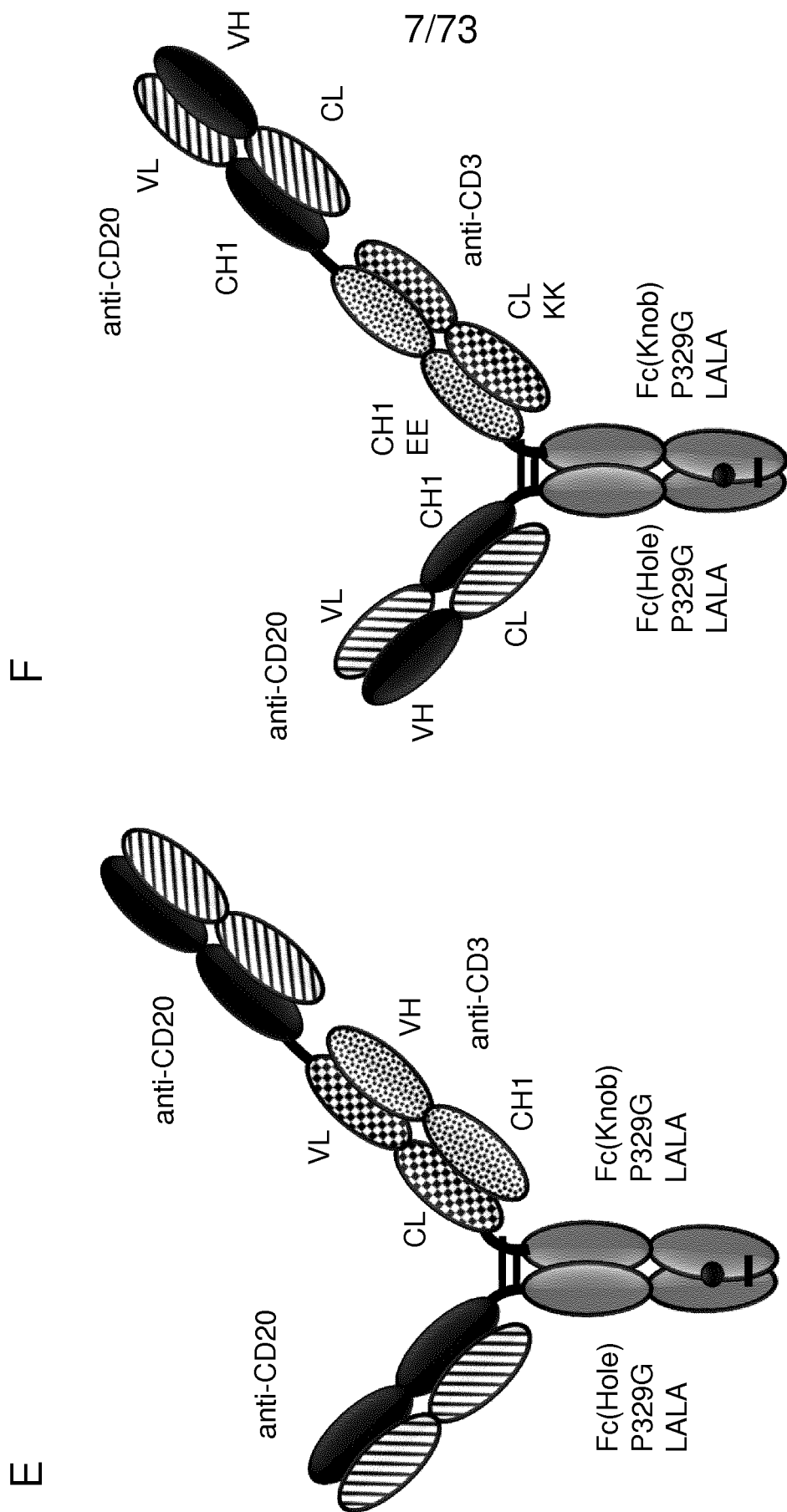


Figure 2

8/73

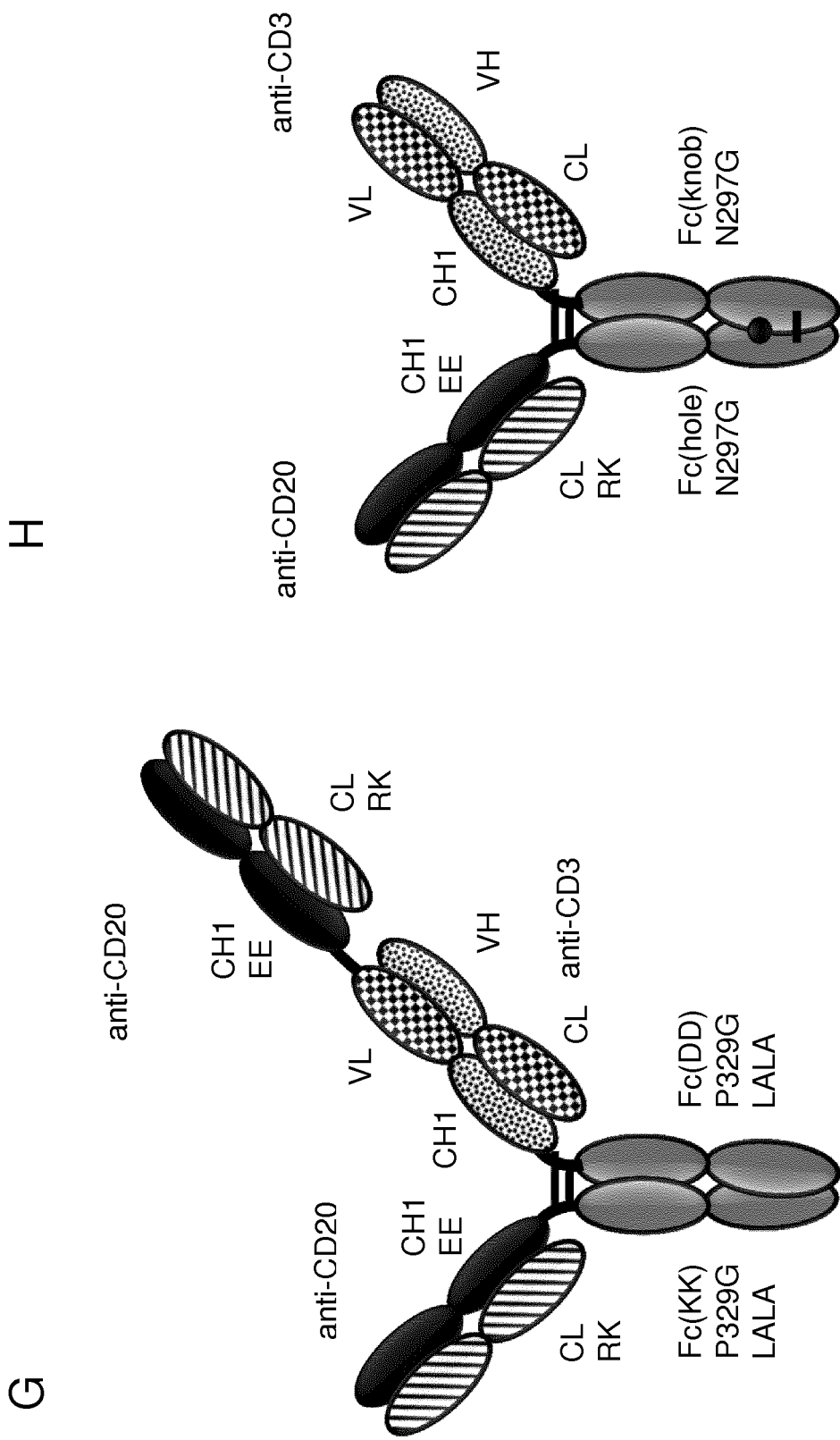


Figure 2

I

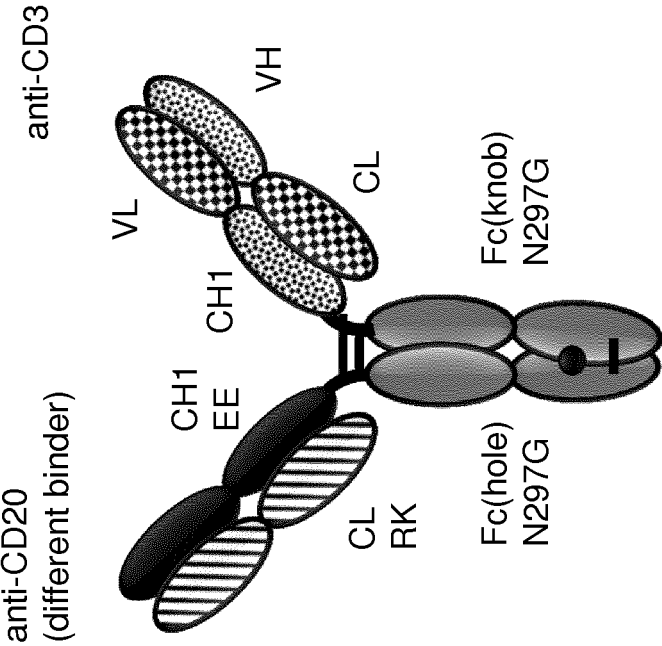


Figure 2

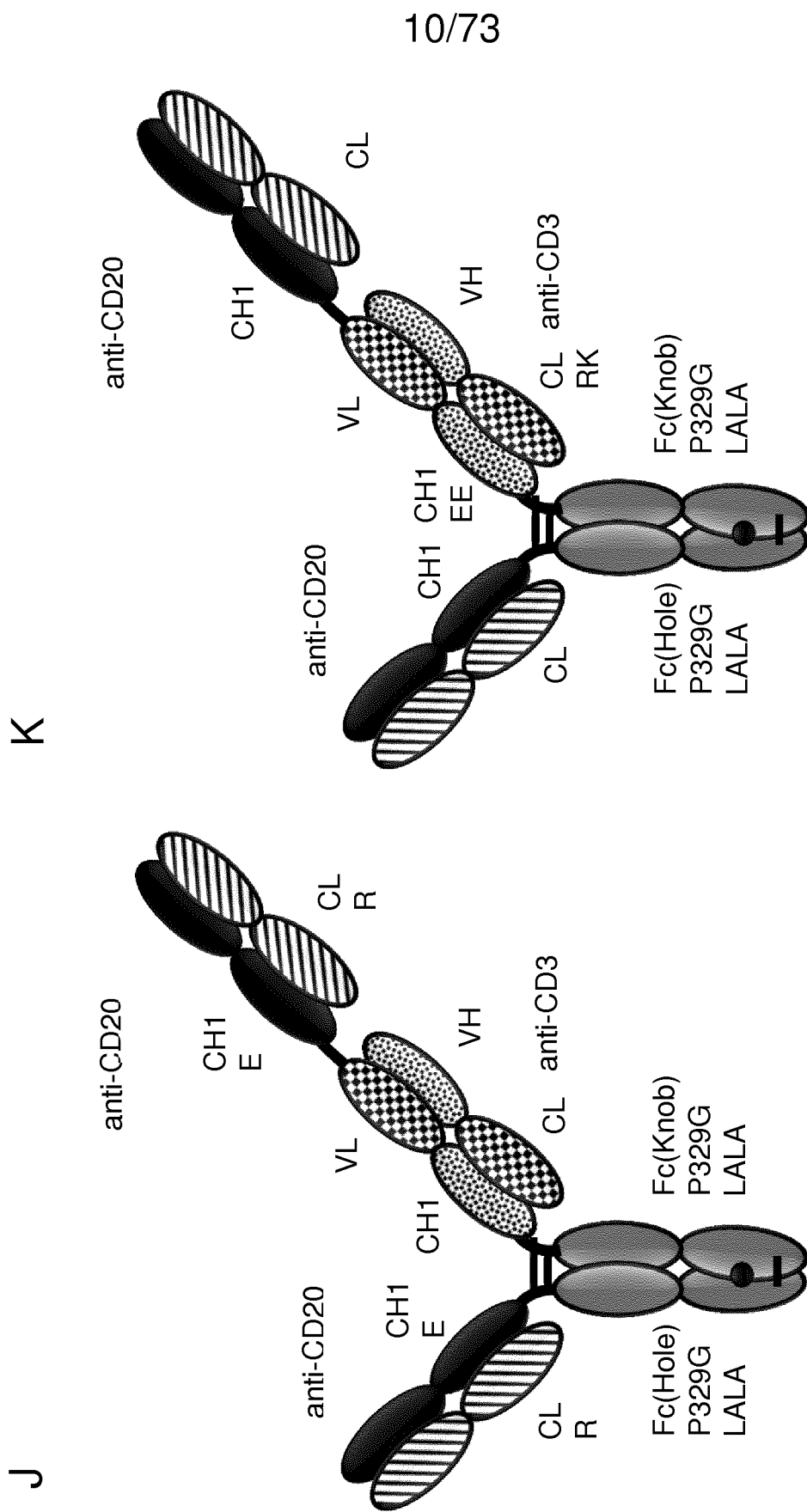


Figure 2

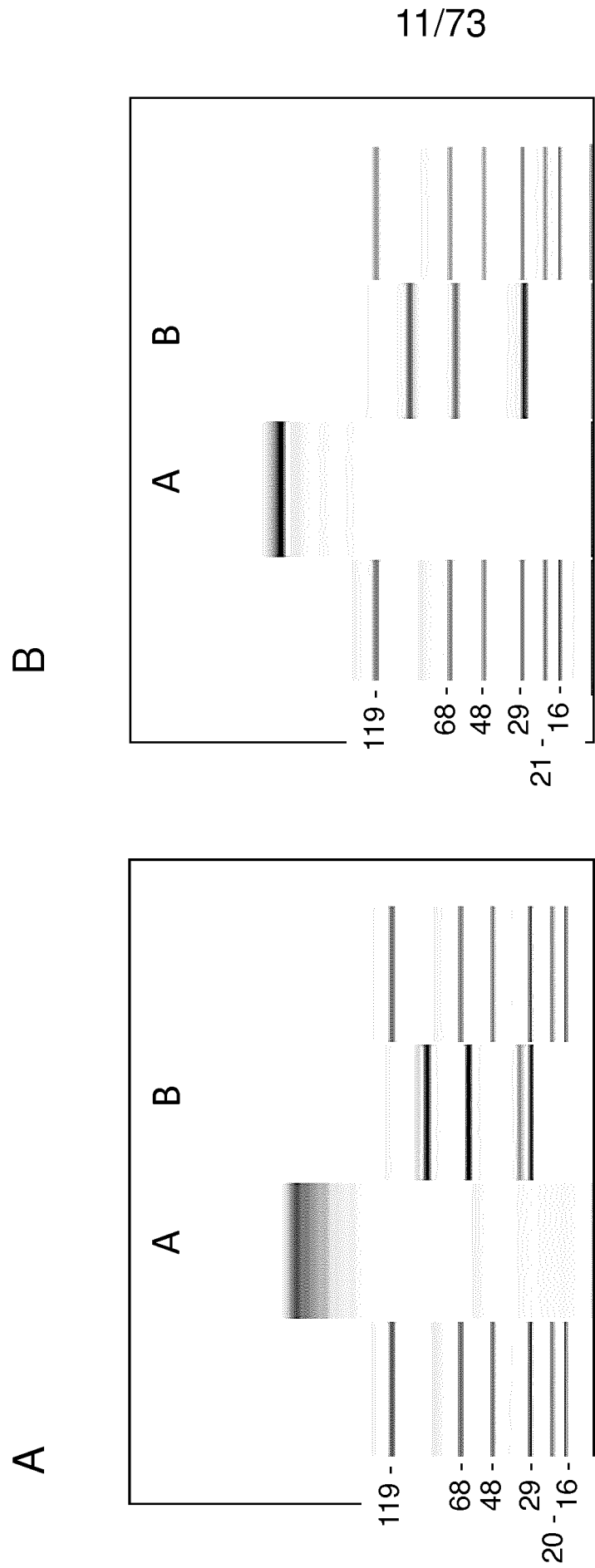


Figure 3

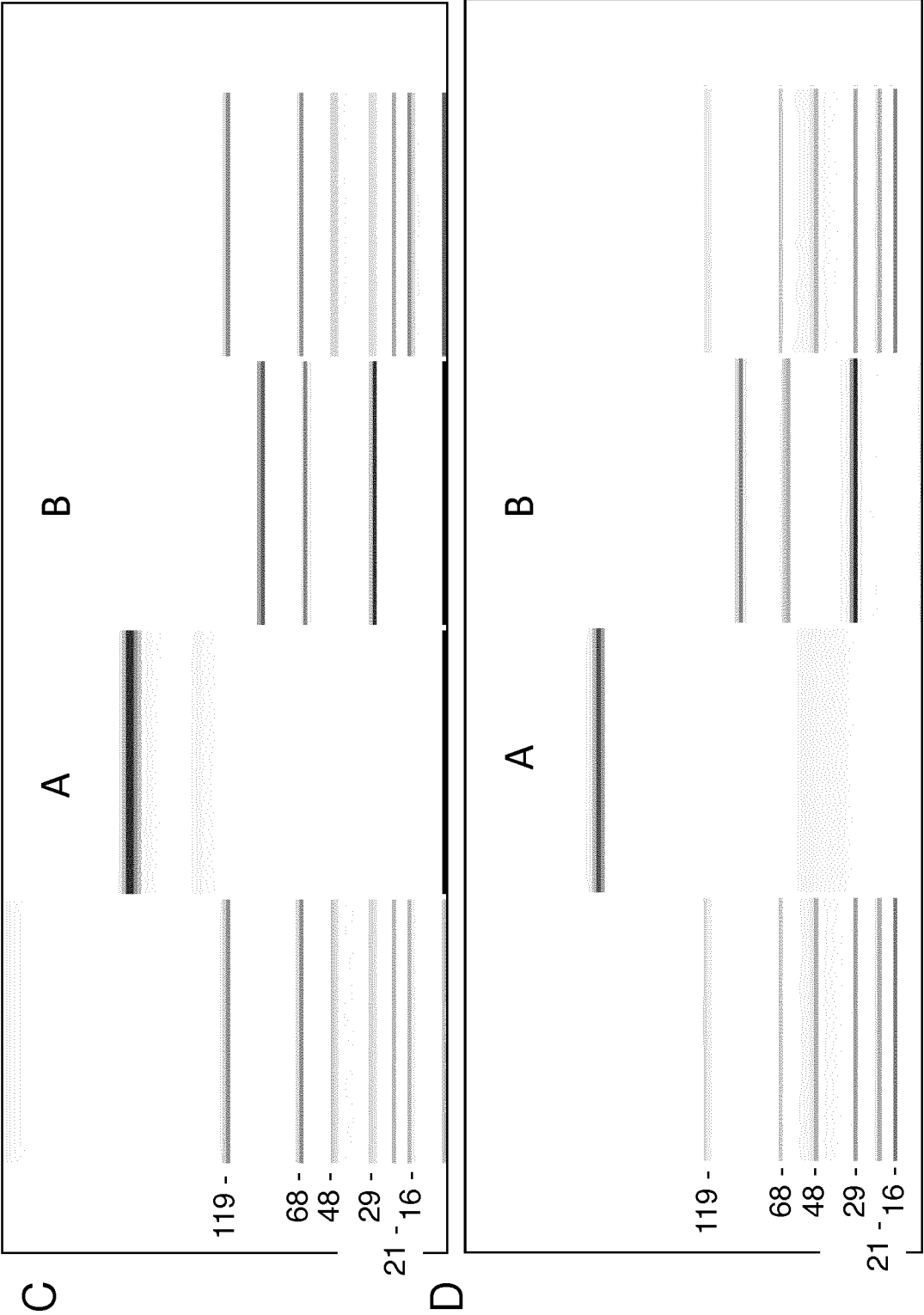


Figure 3

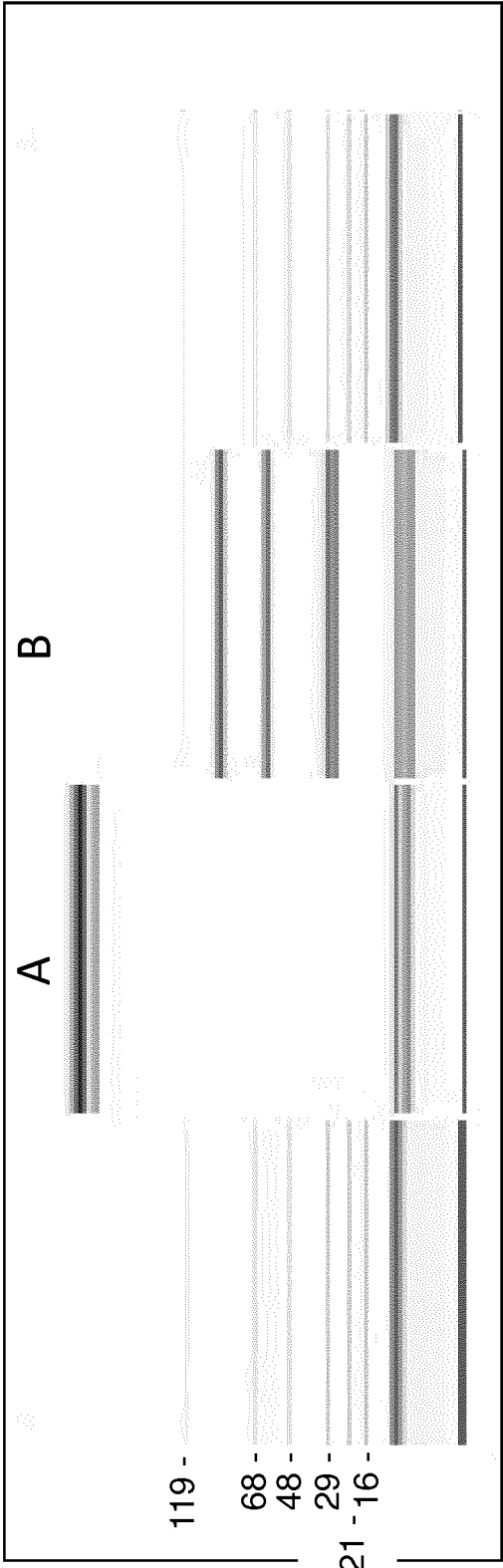
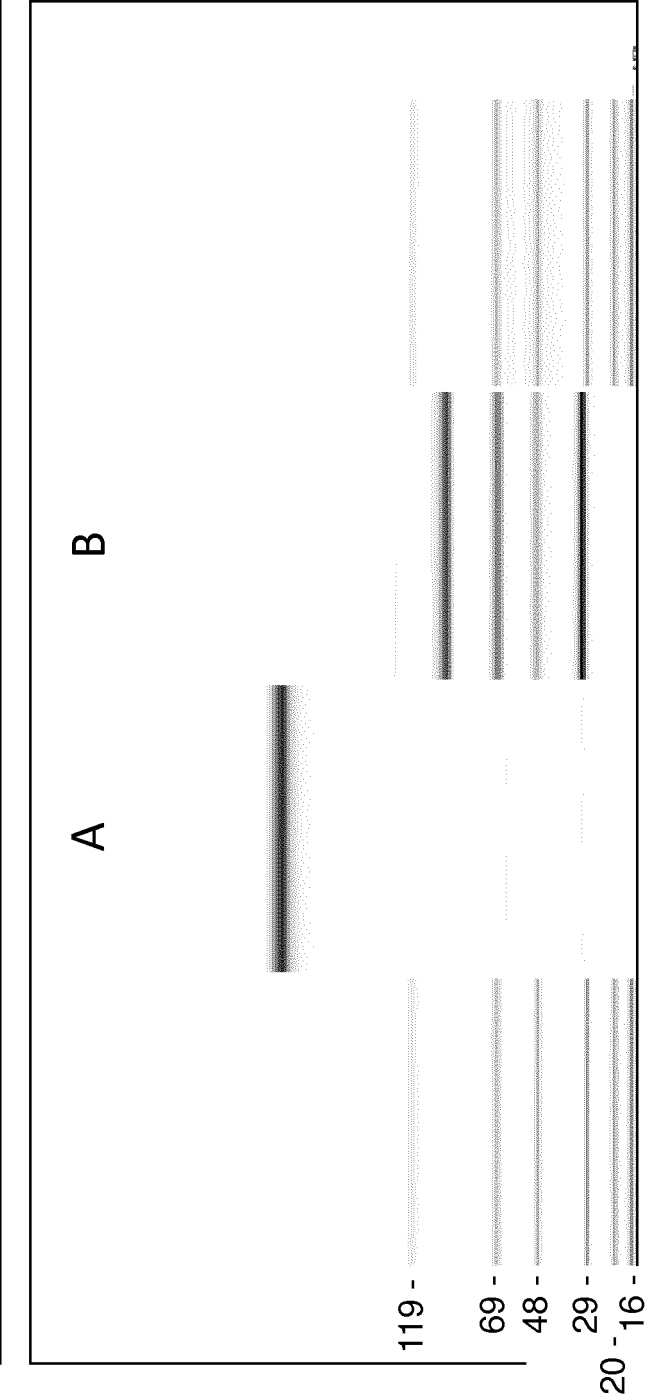


Figure 3

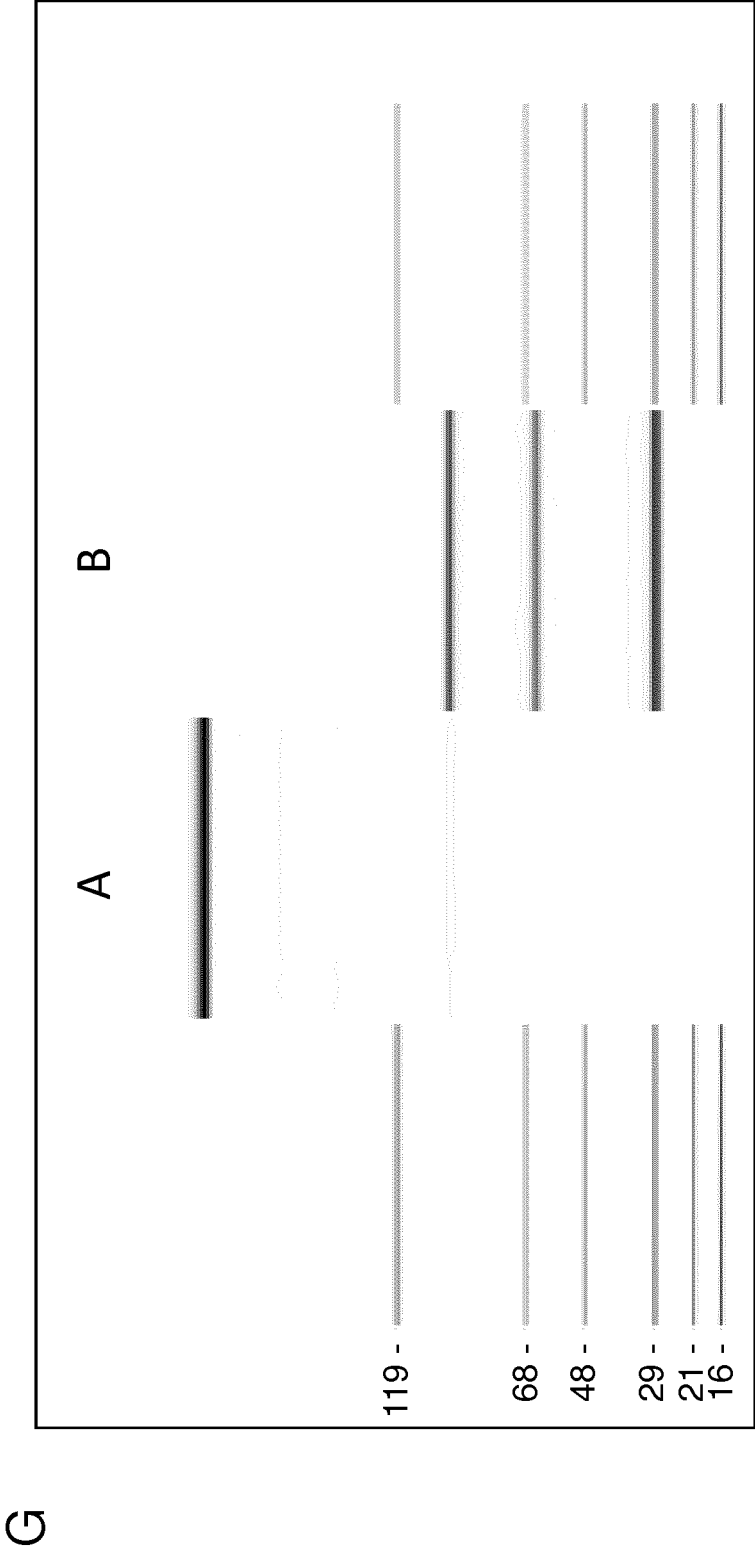


Figure 3

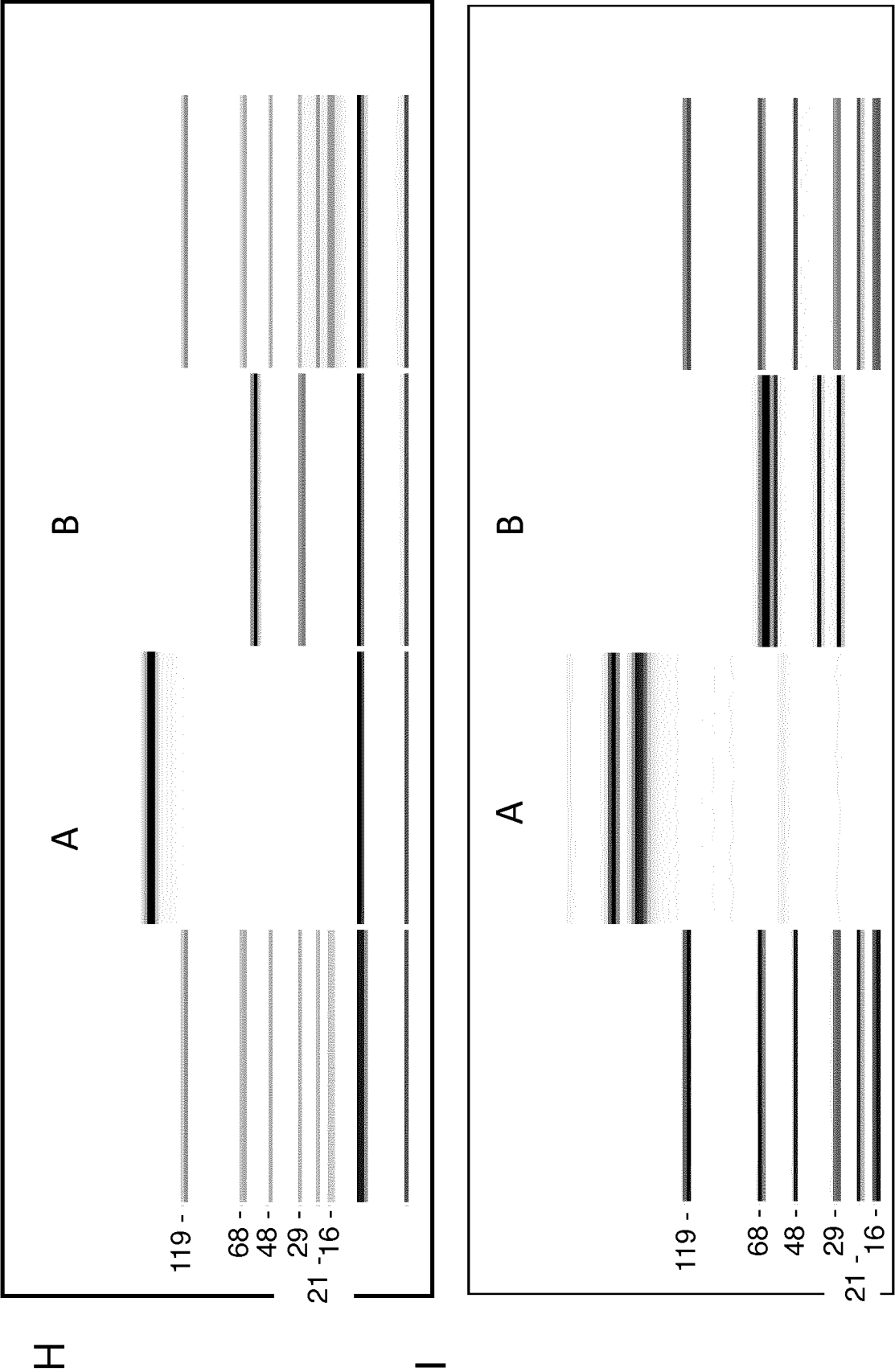


Figure 3

16/73

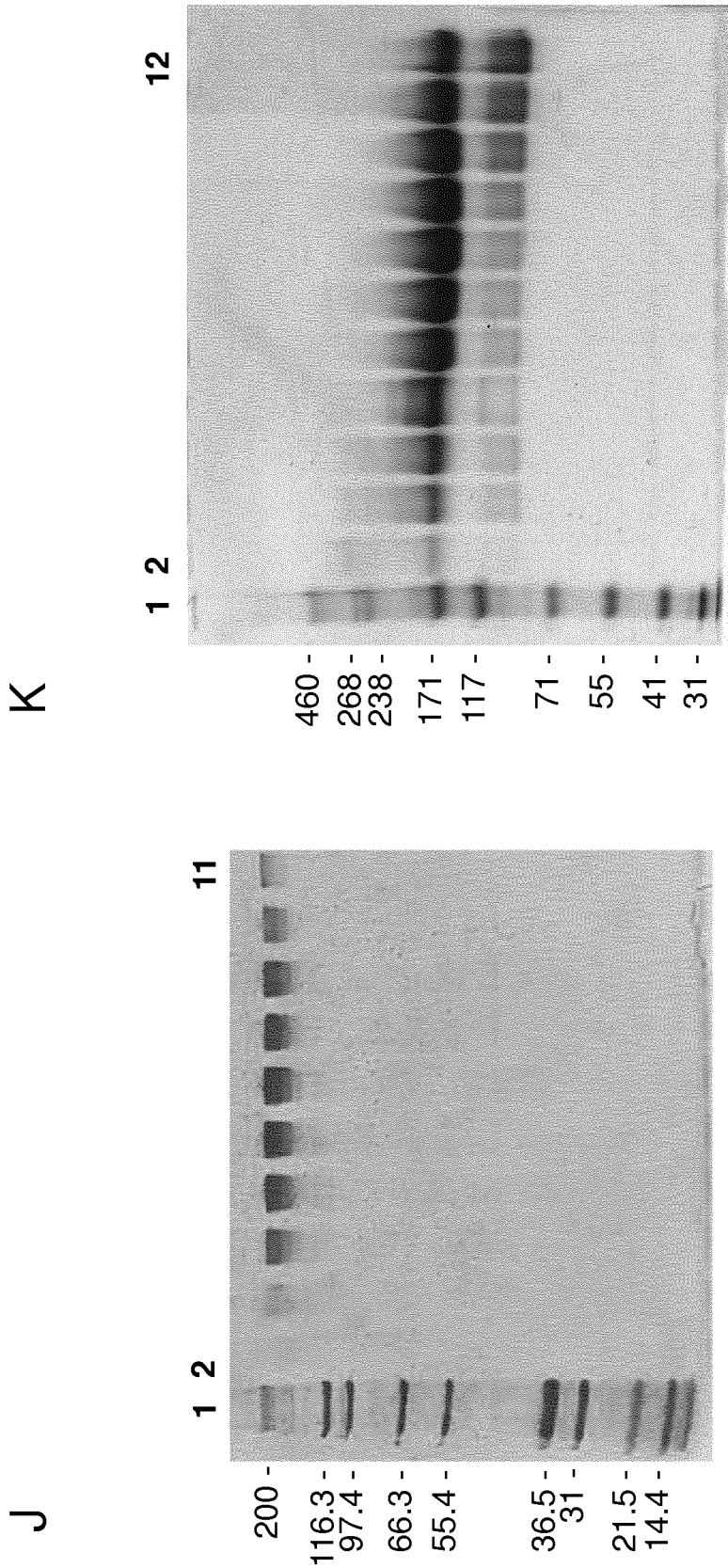


Figure 3

17/73

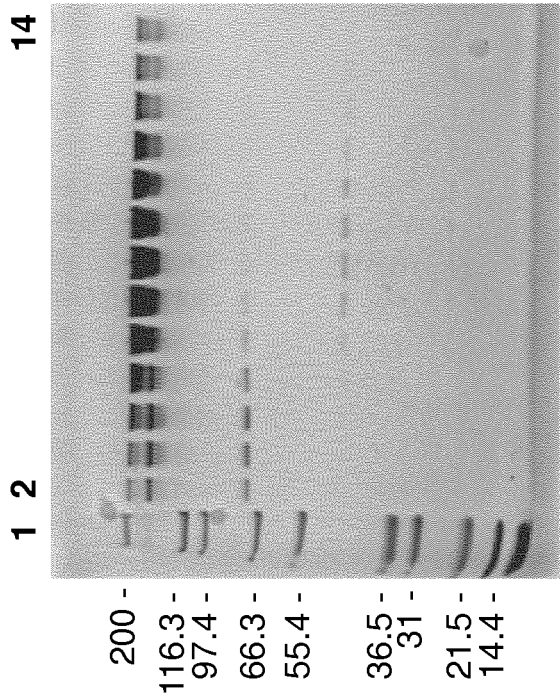


Figure 3

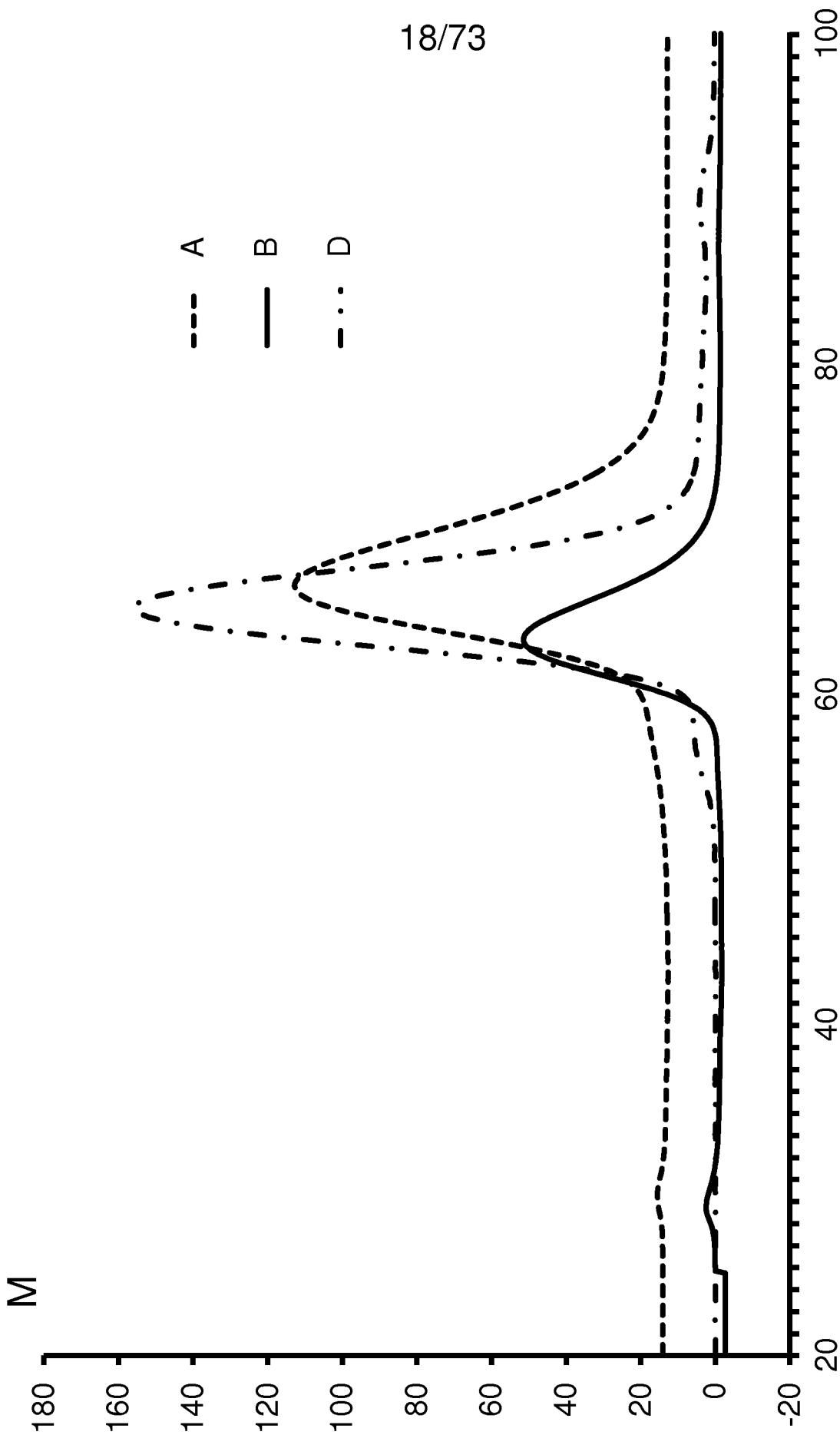


Figure 3

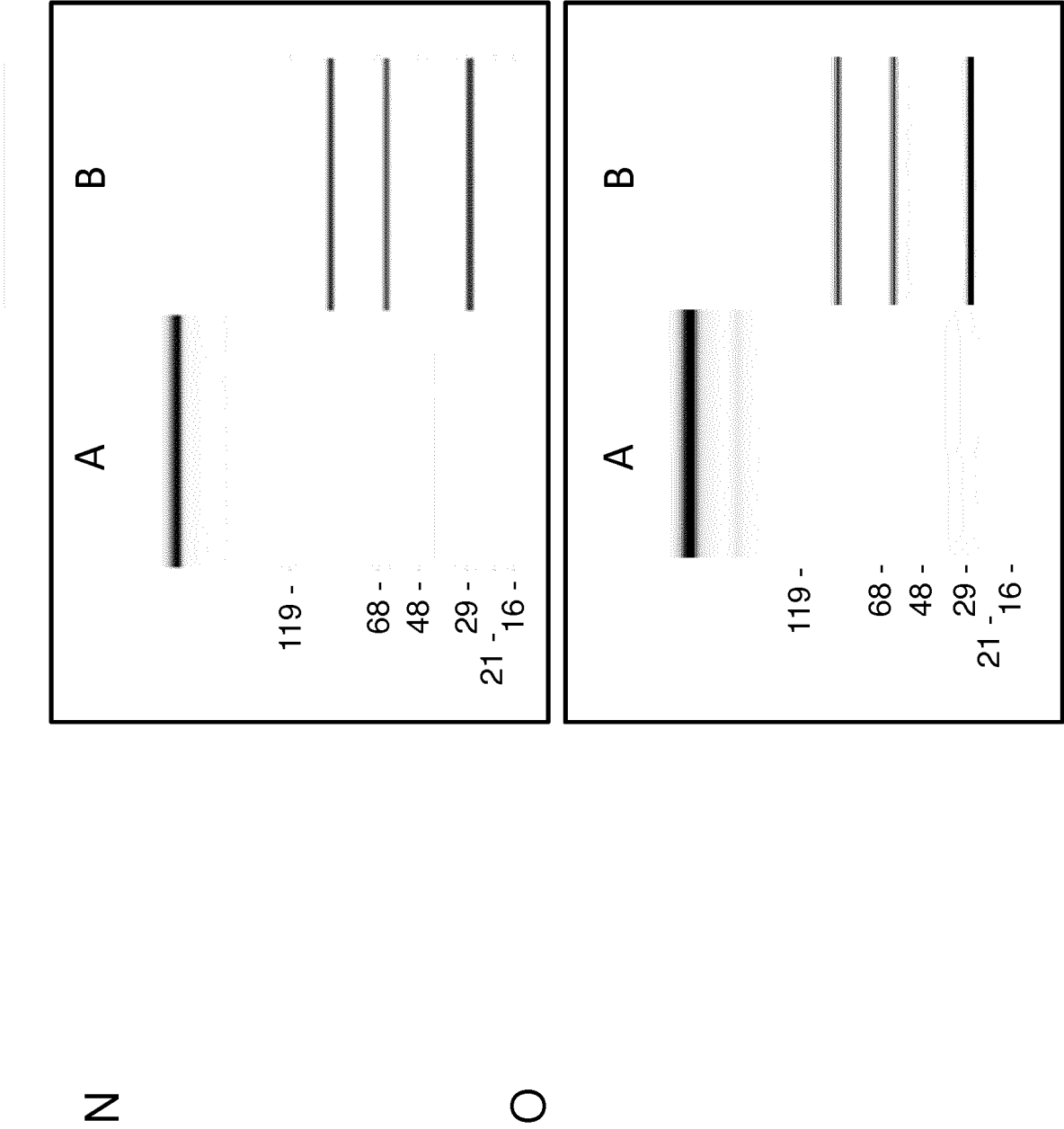
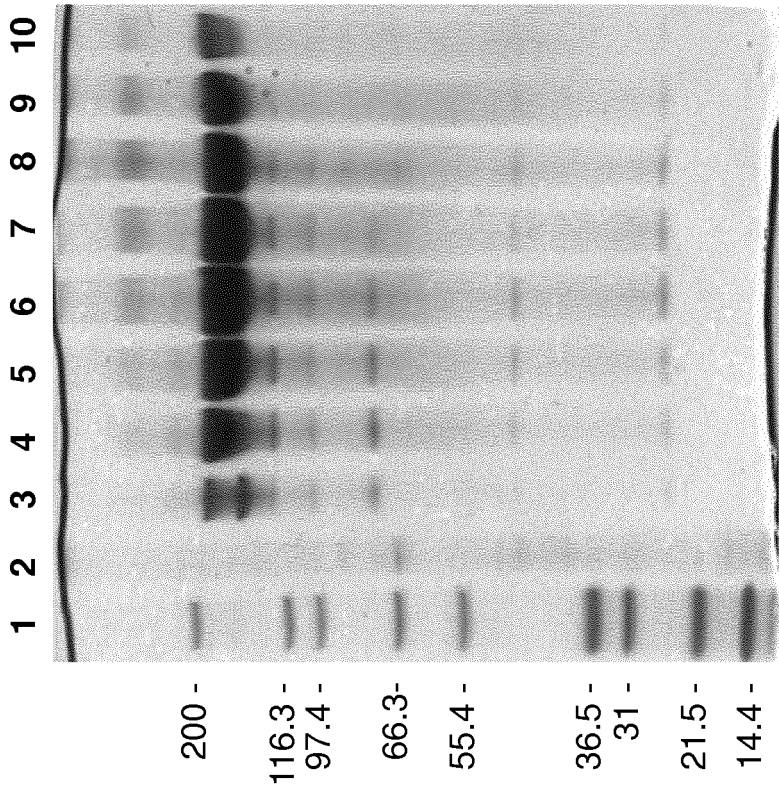


Figure 3

P



Q

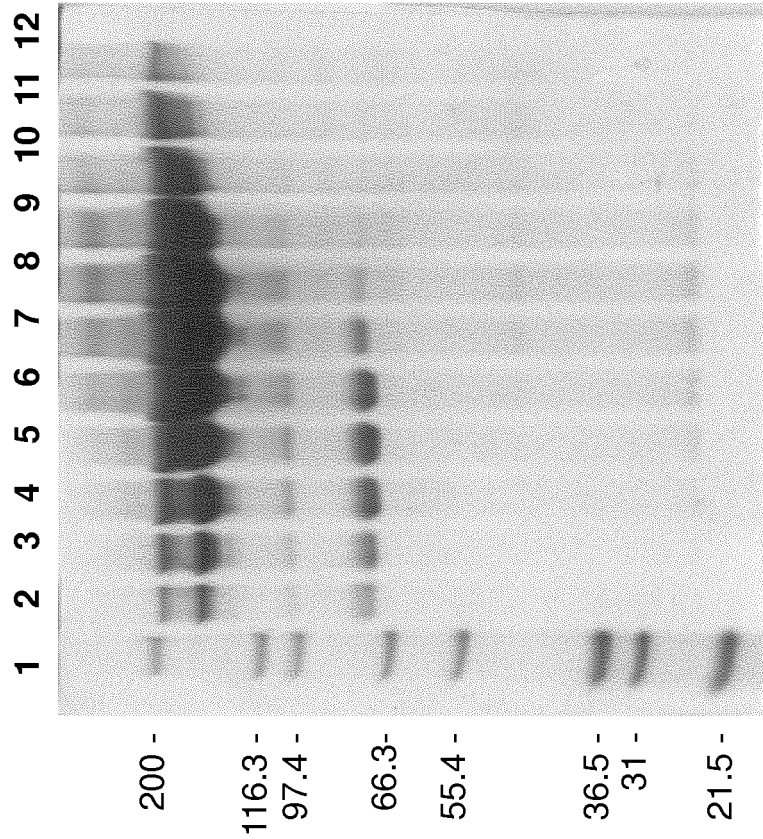


Figure 3

20/73

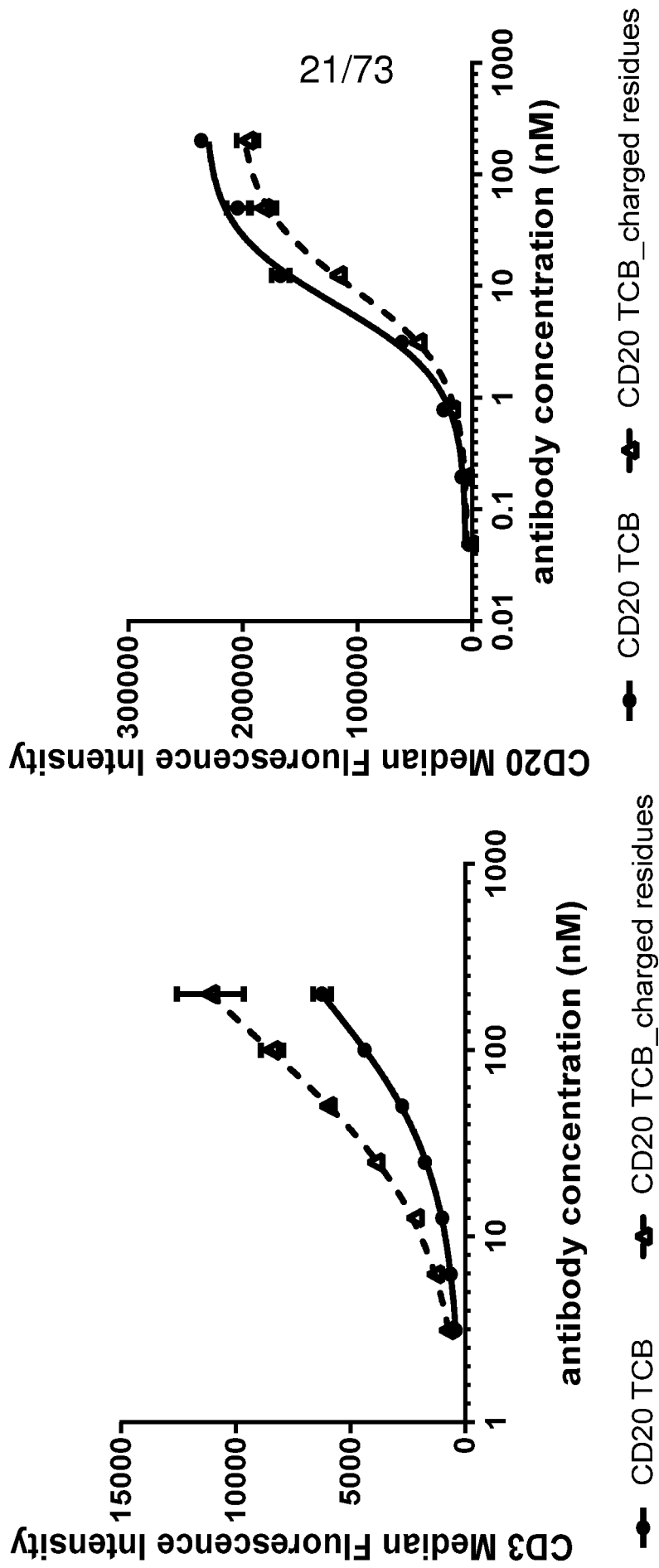


Figure 4

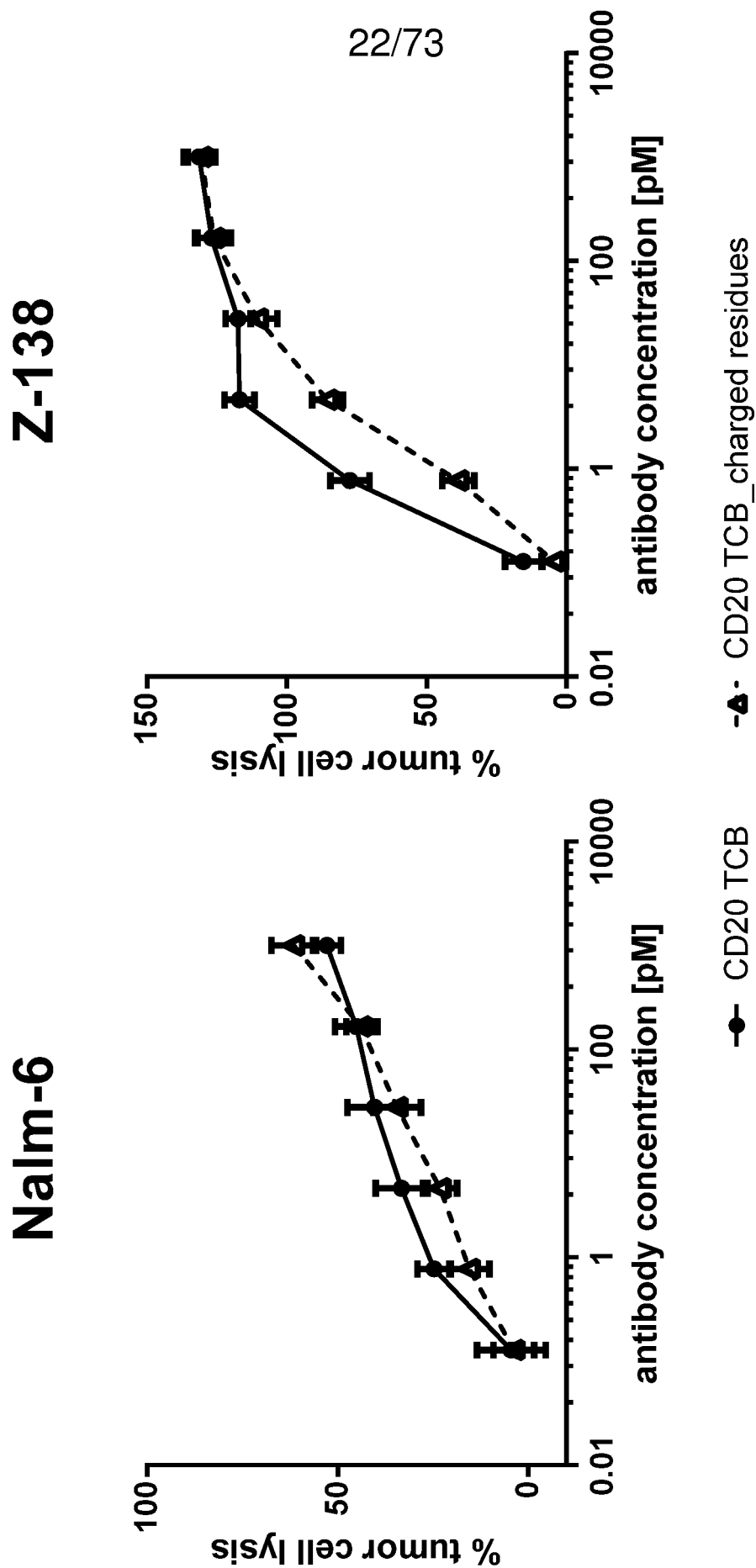
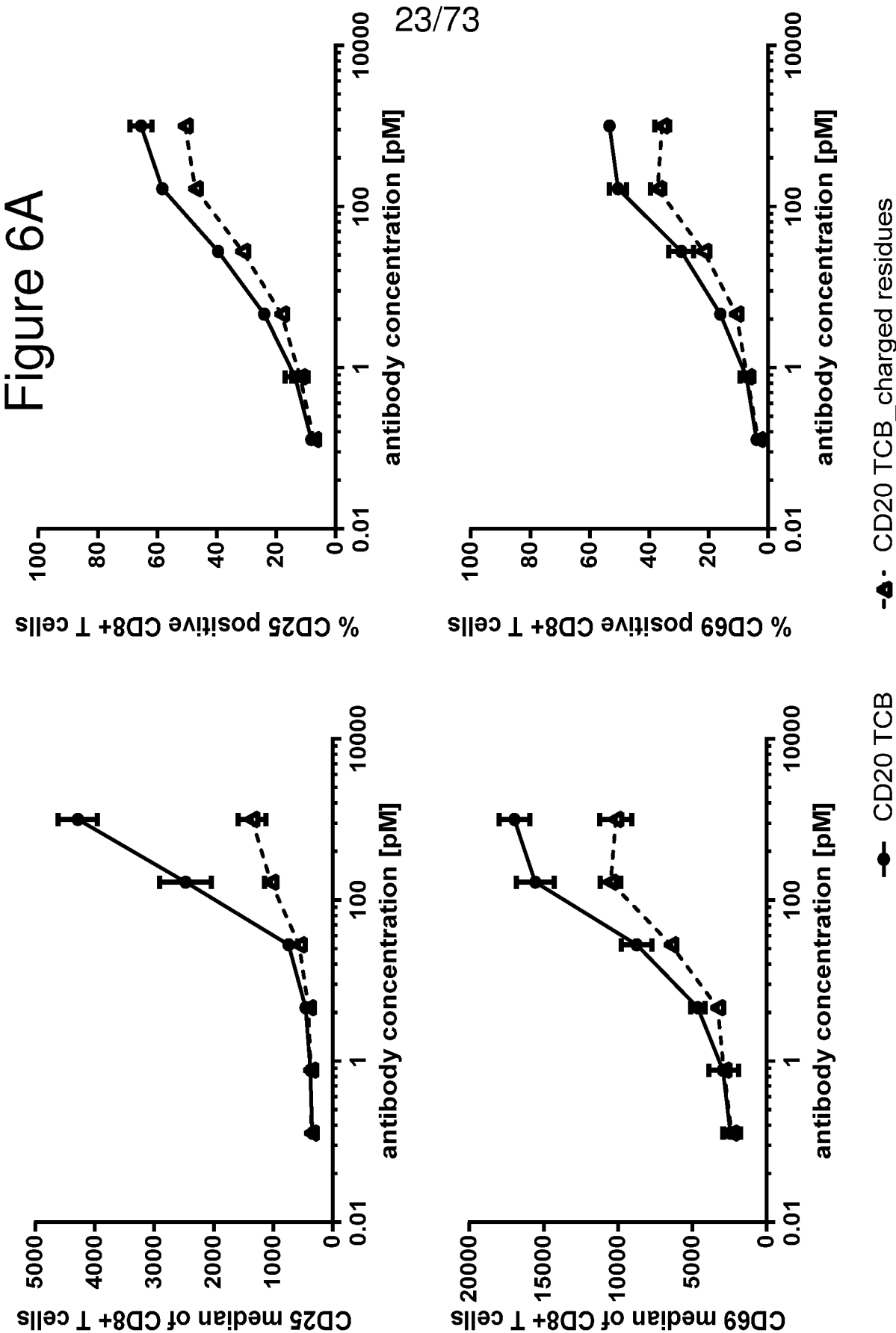
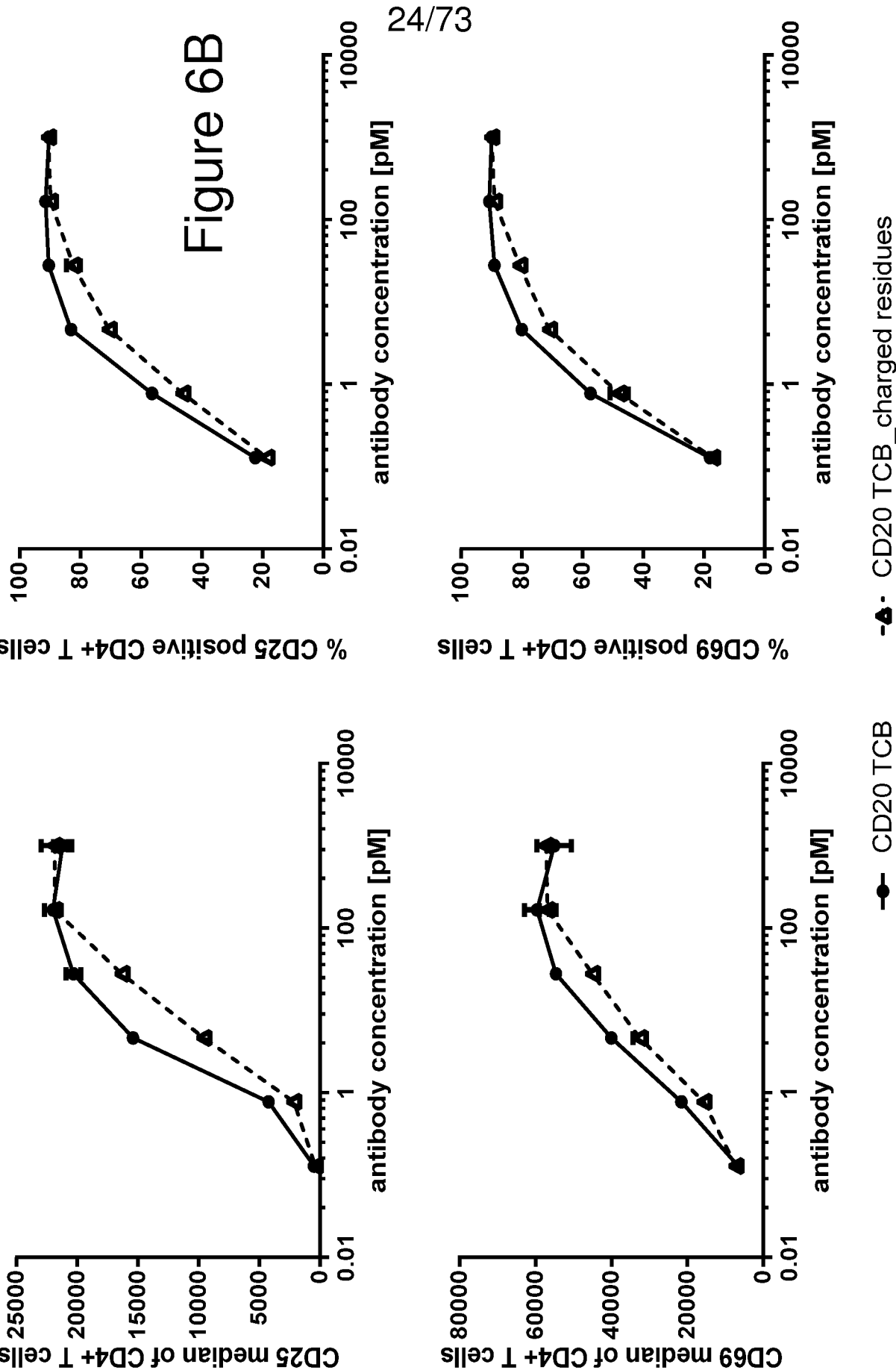
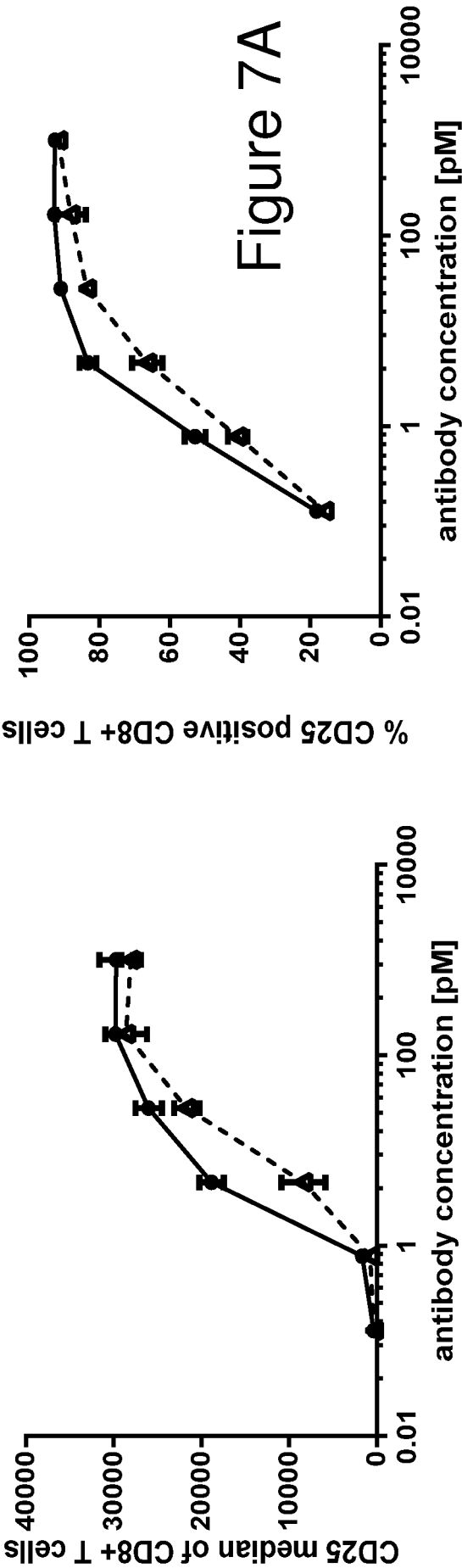
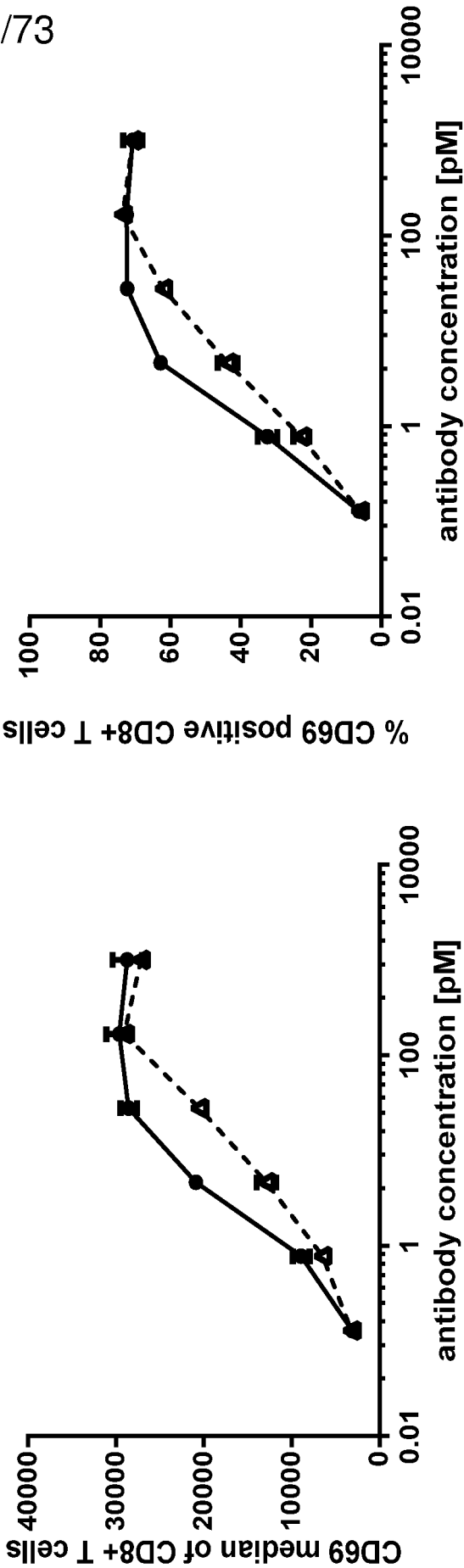


Figure 5

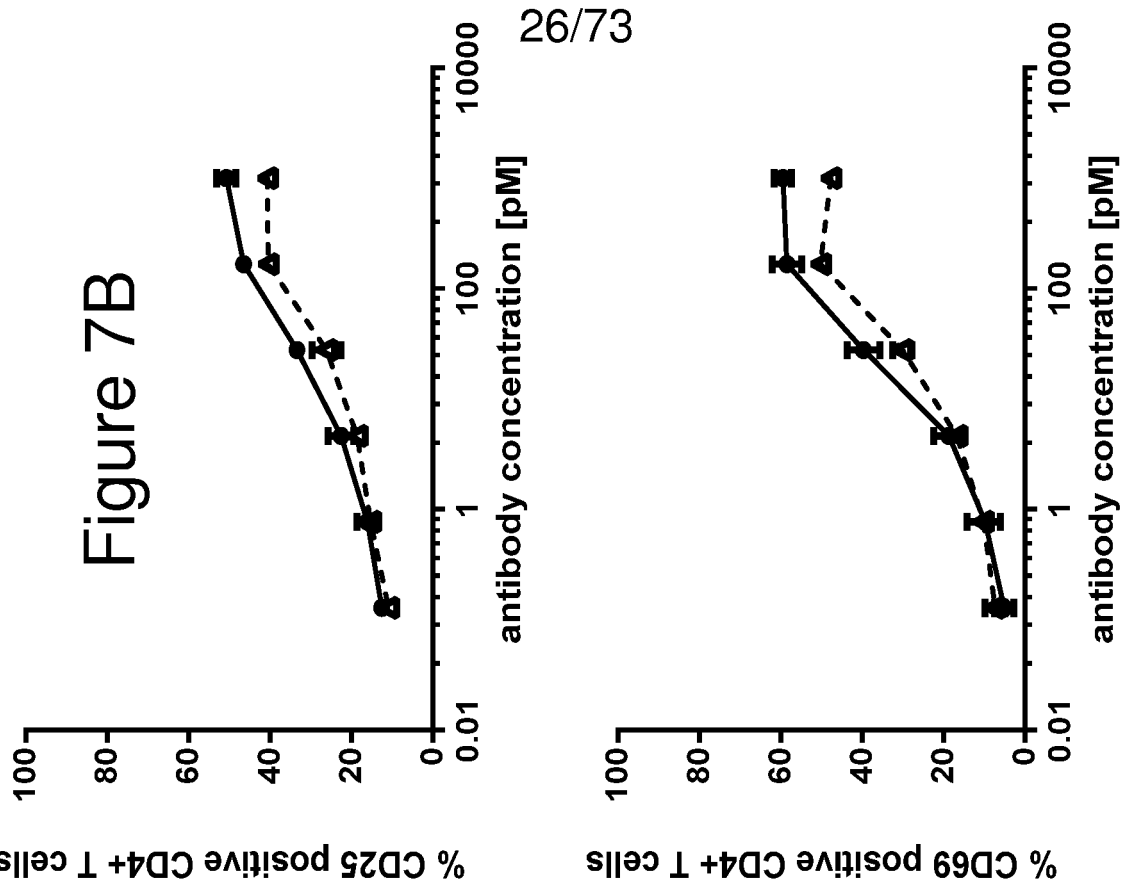






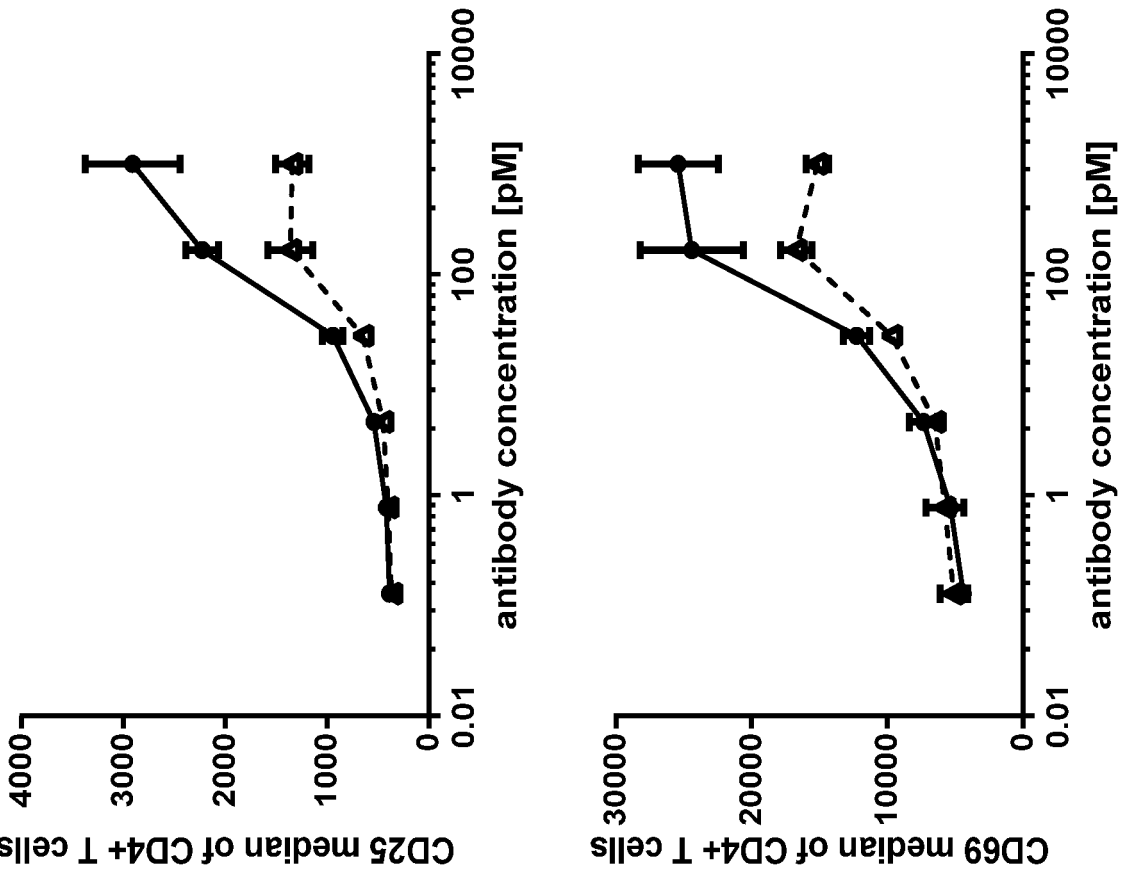
● CD20 TCB

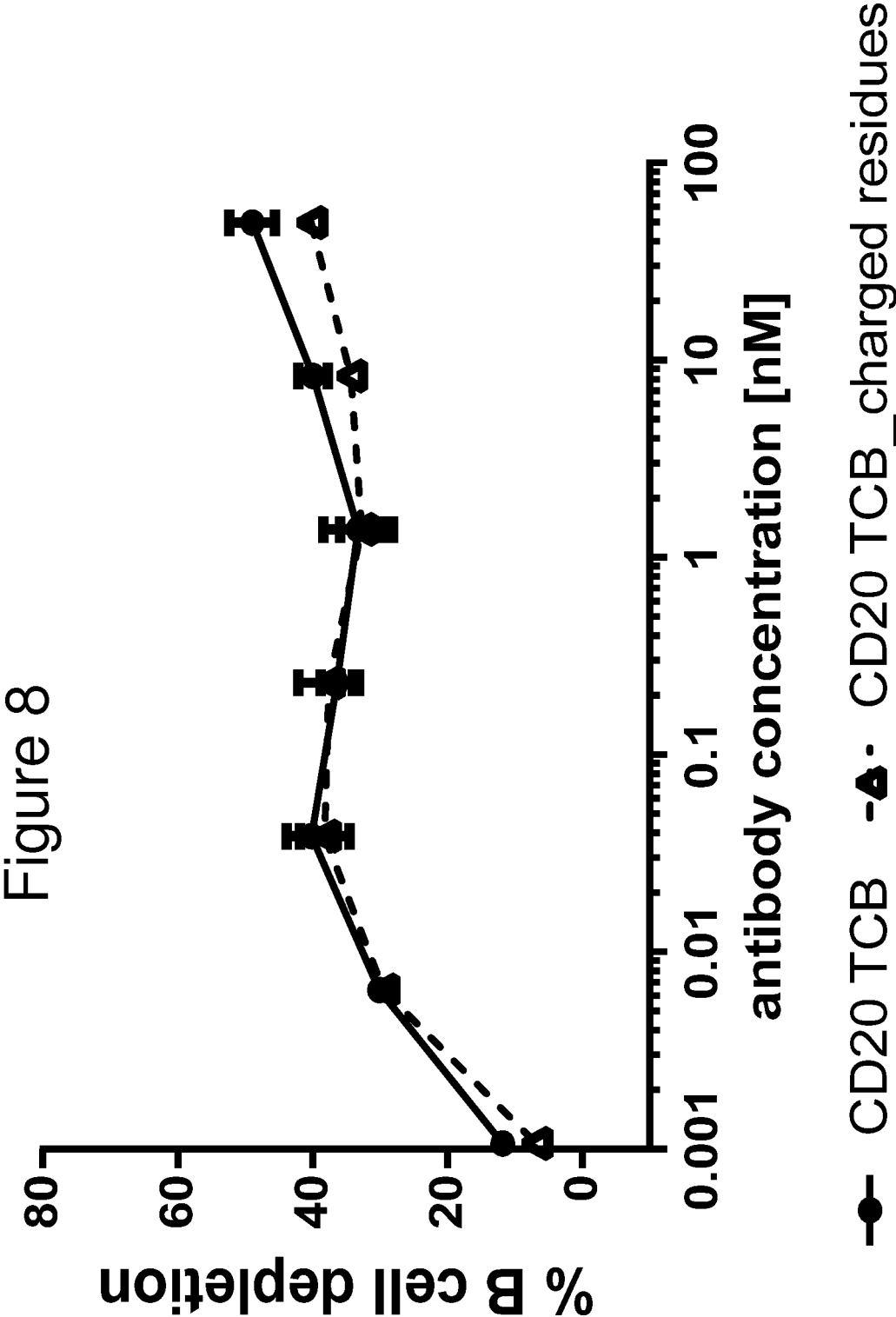
▲ CD20 TCB_charged residues

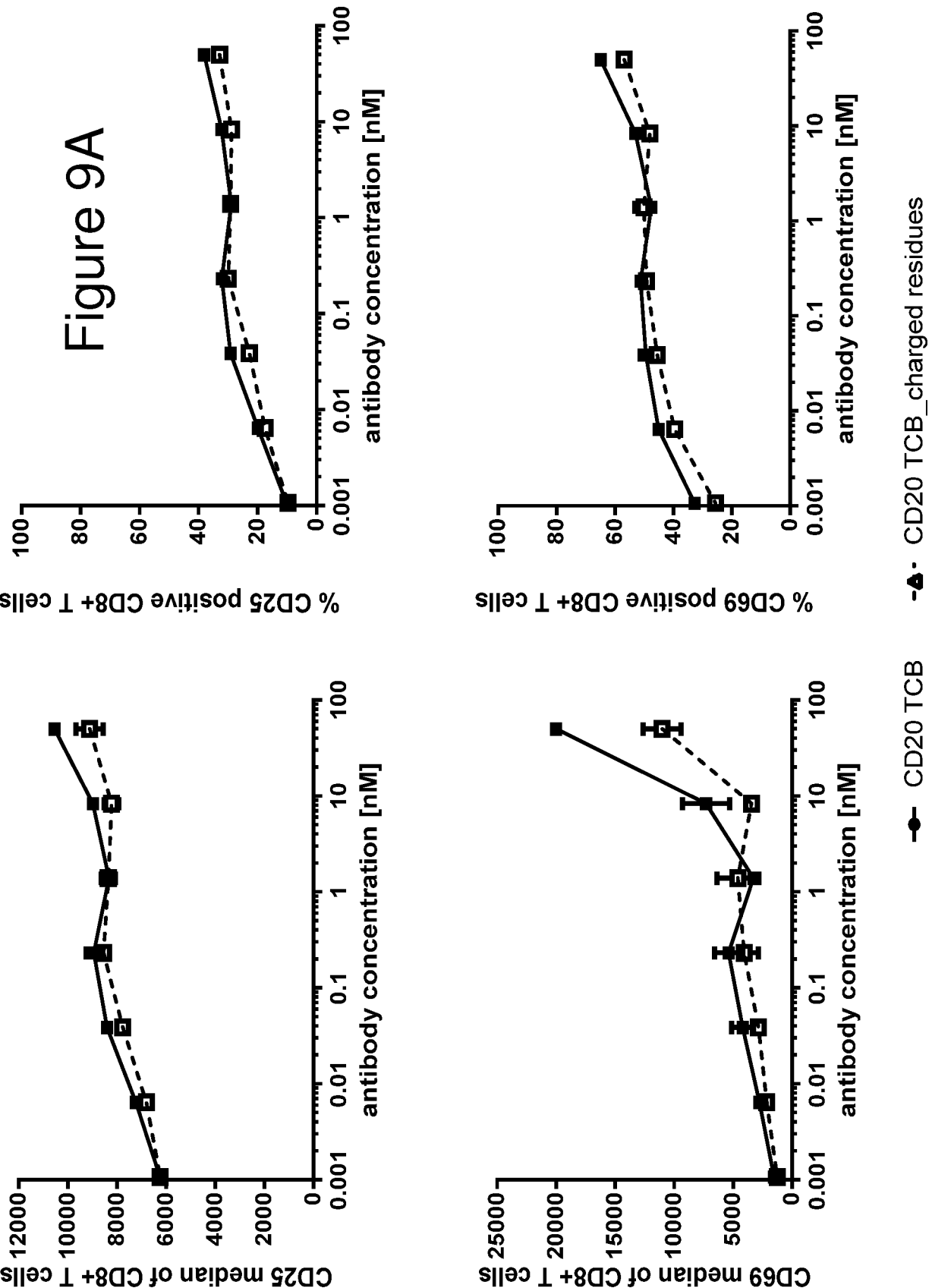


-●- CD20 TCB

-▲- CD20 TCB_charged residues







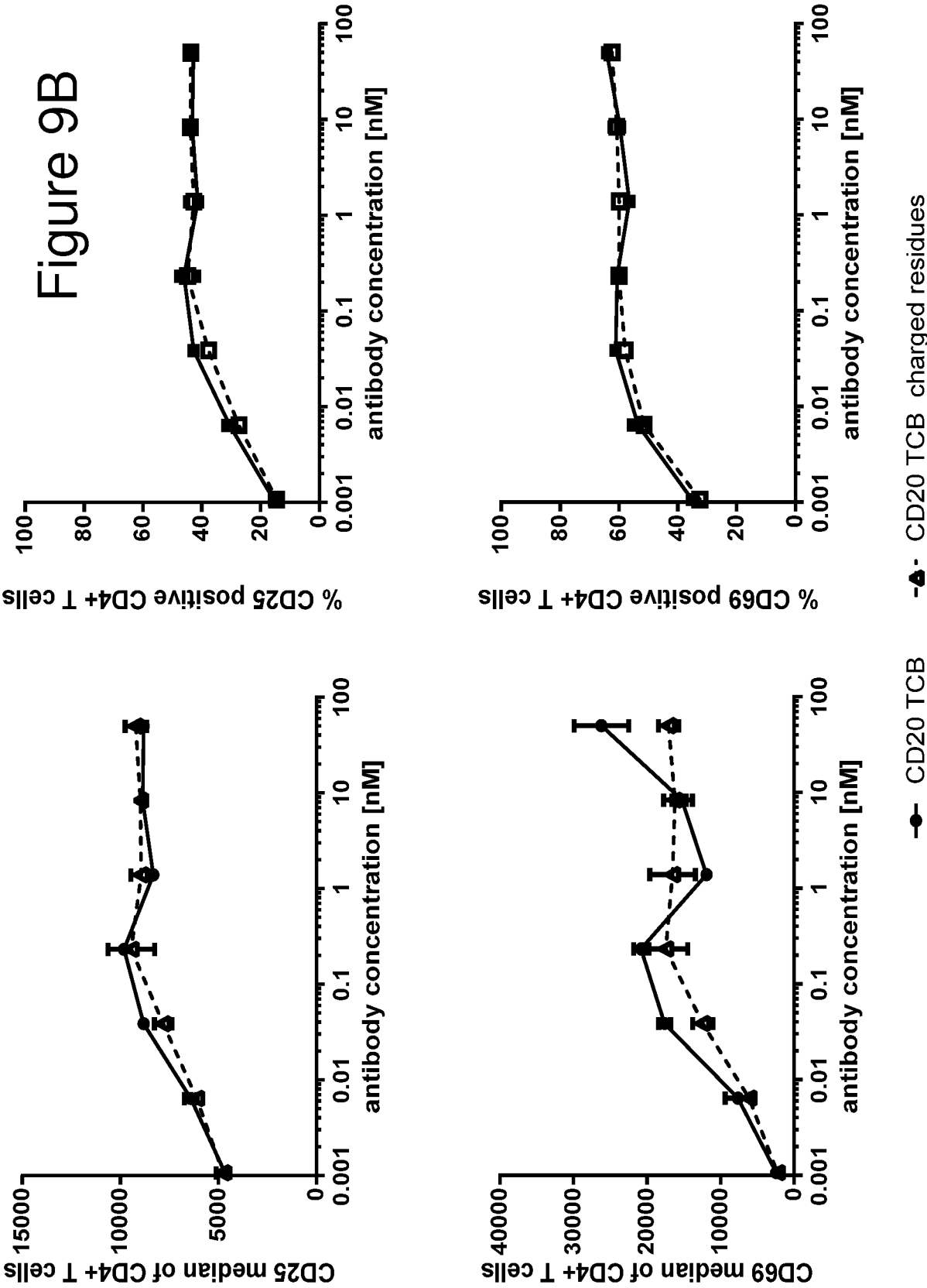
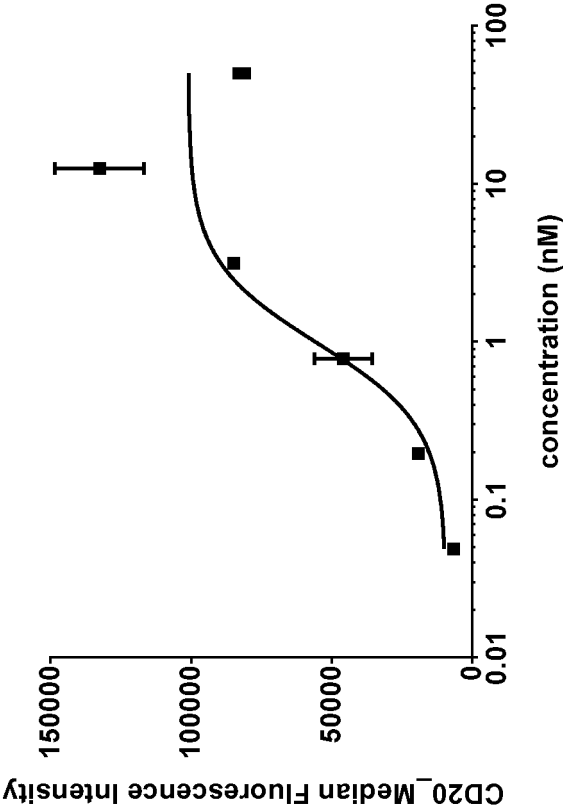
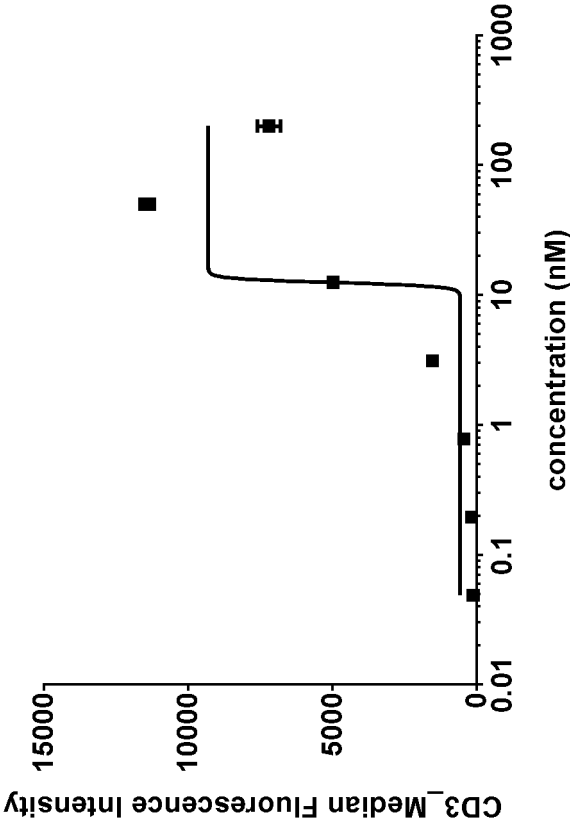


Figure 10

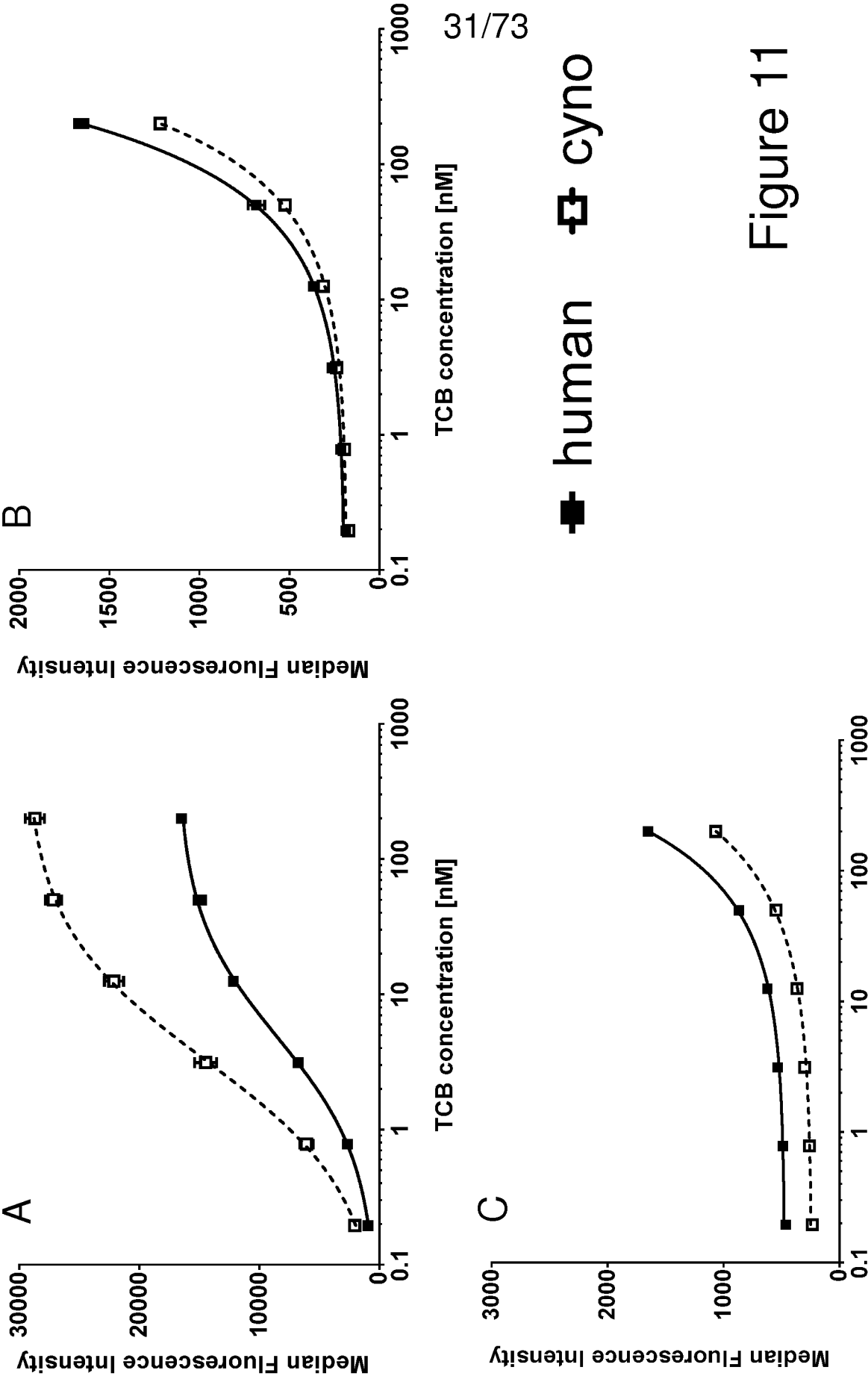
A



B



30/73



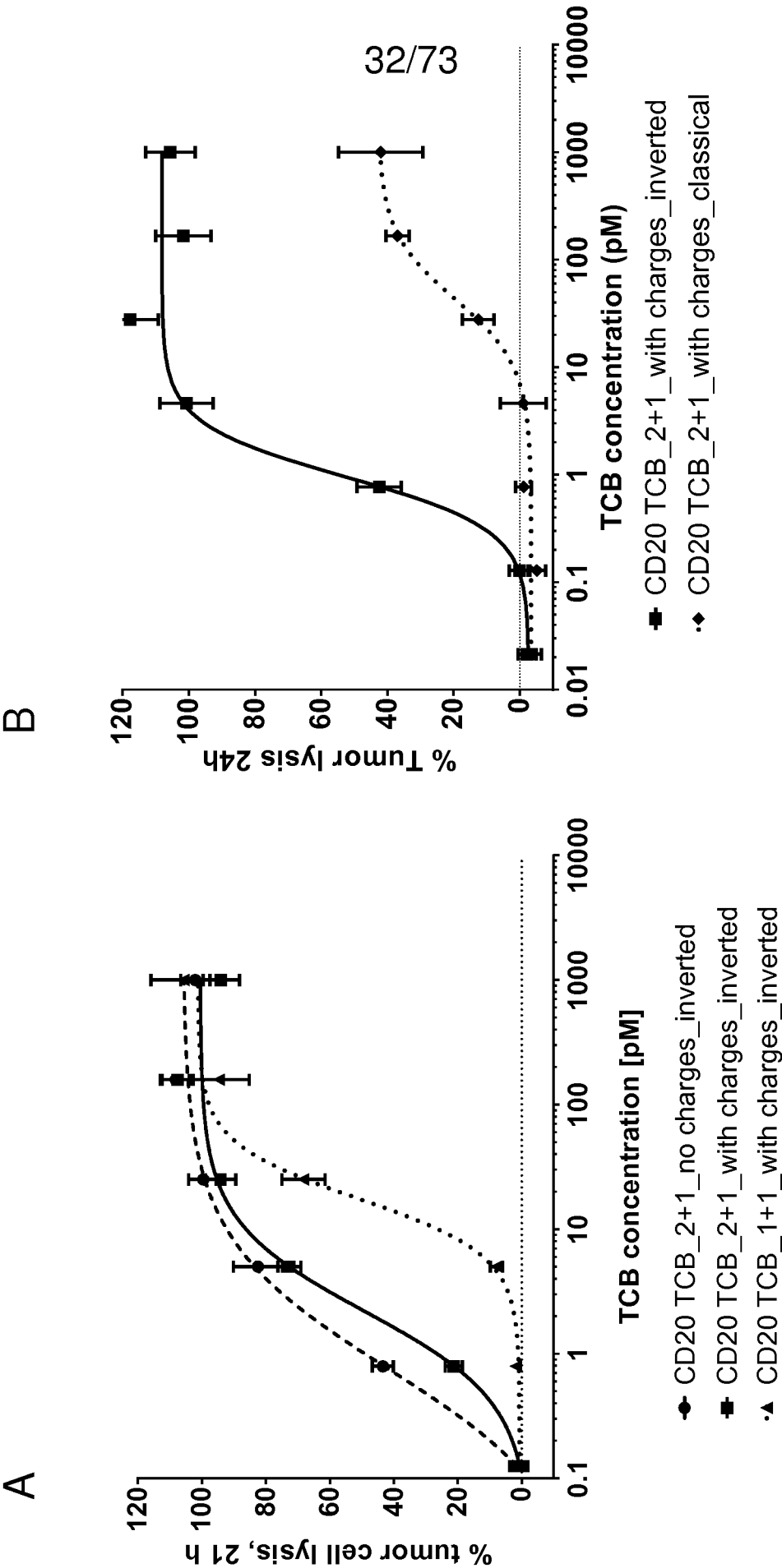


Figure 12

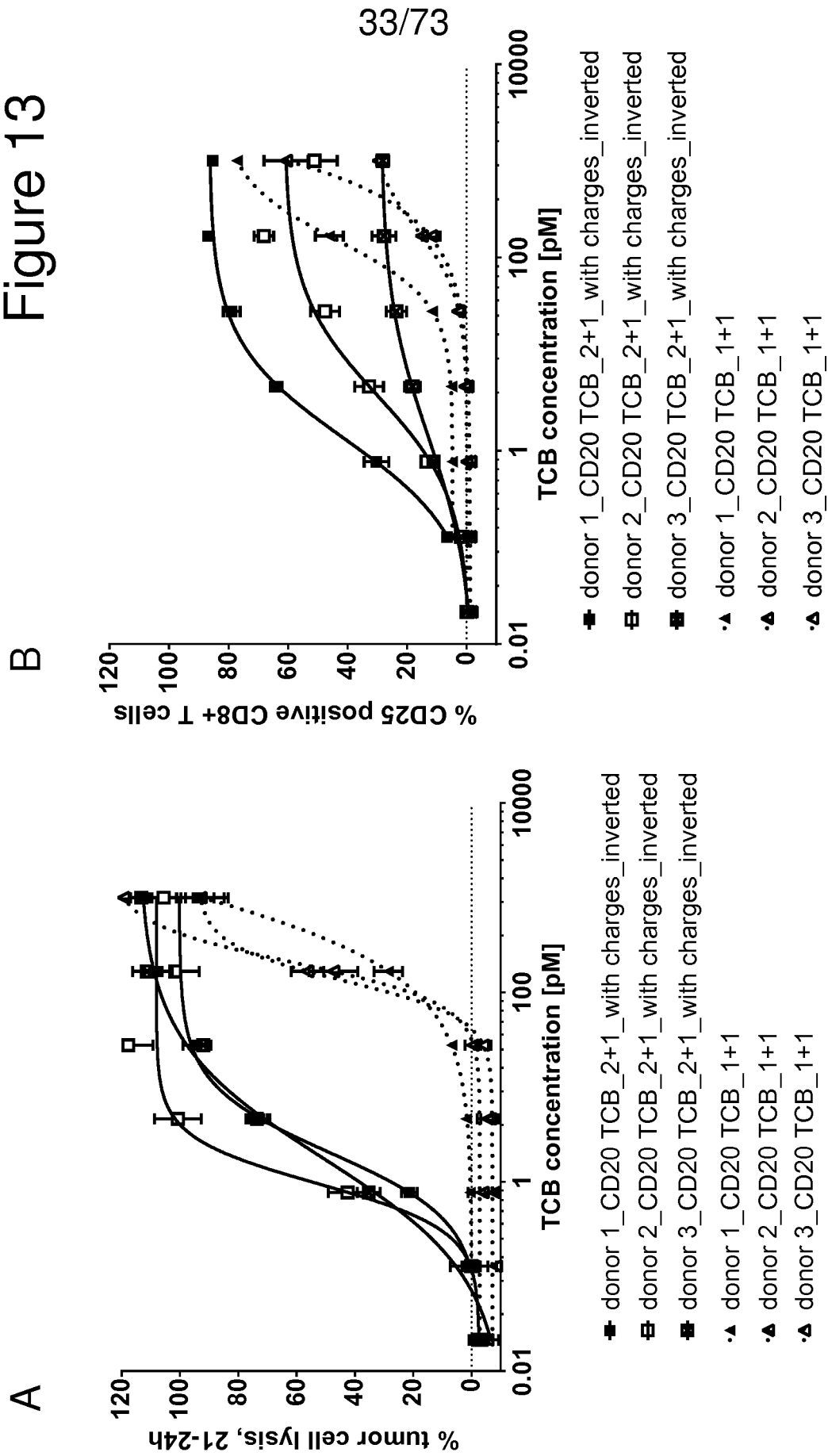
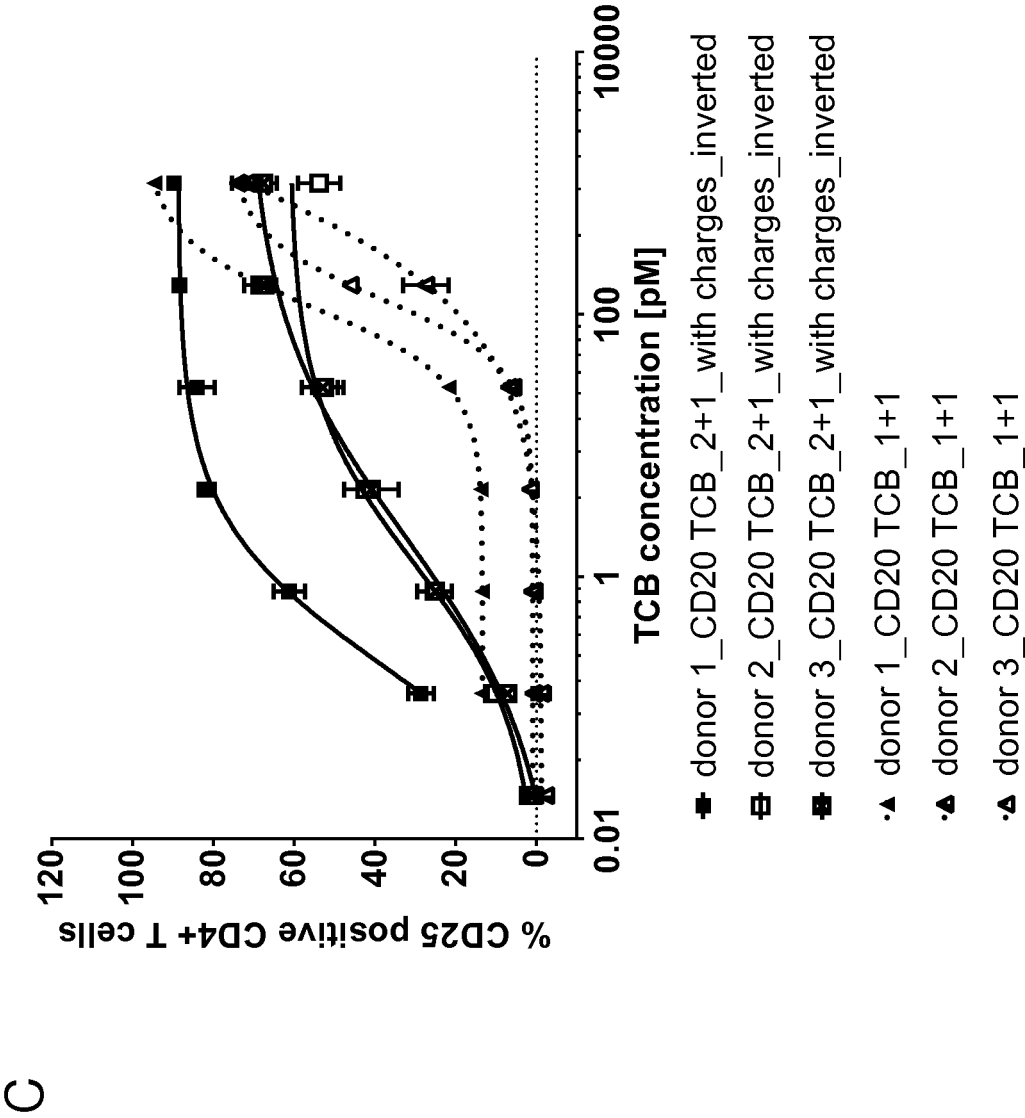
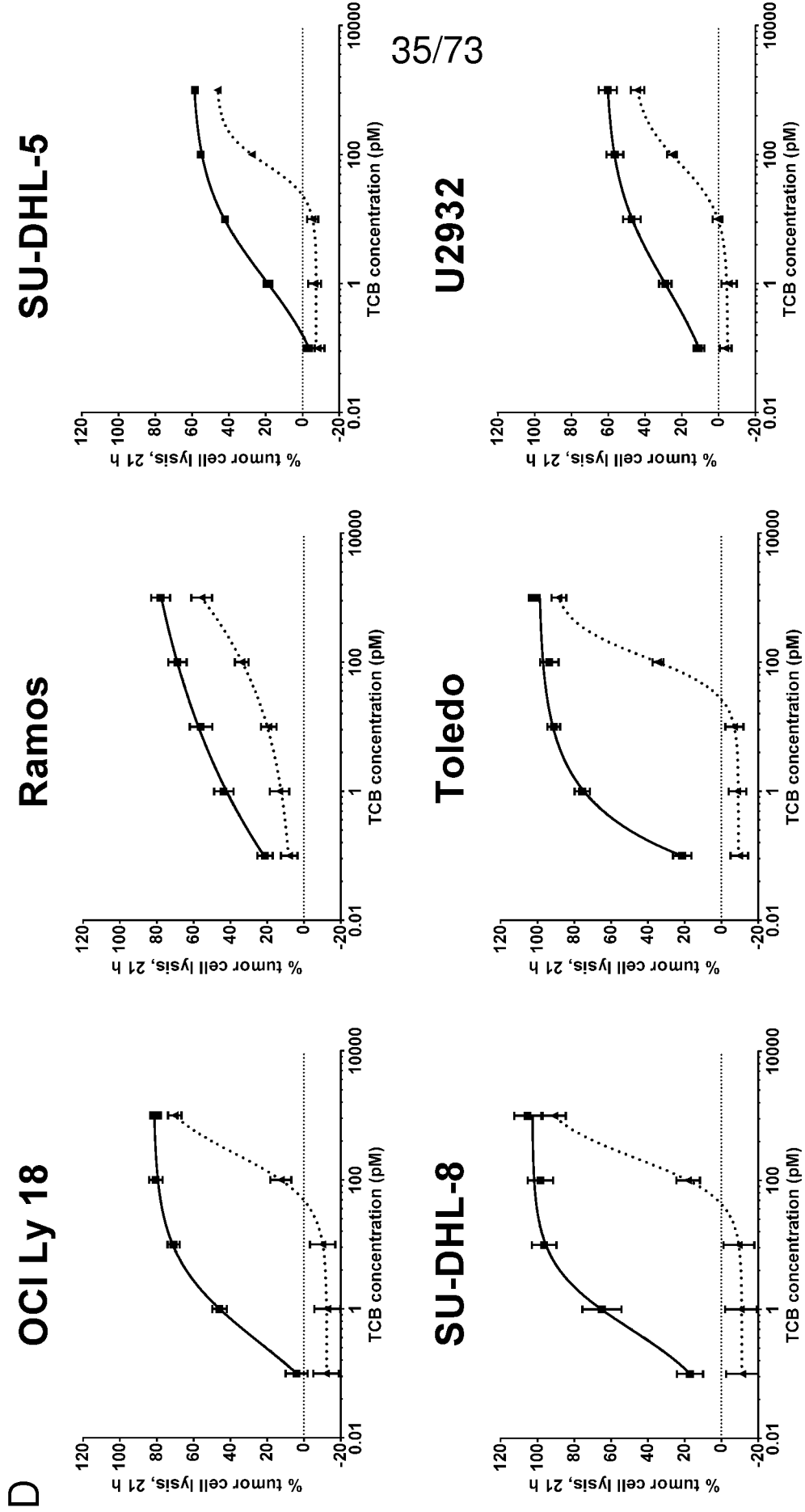


Figure 13





■ CD20 TCB_2+1_inverted

▲ CD20 TCB_1+1

Figure 13

Figure 14

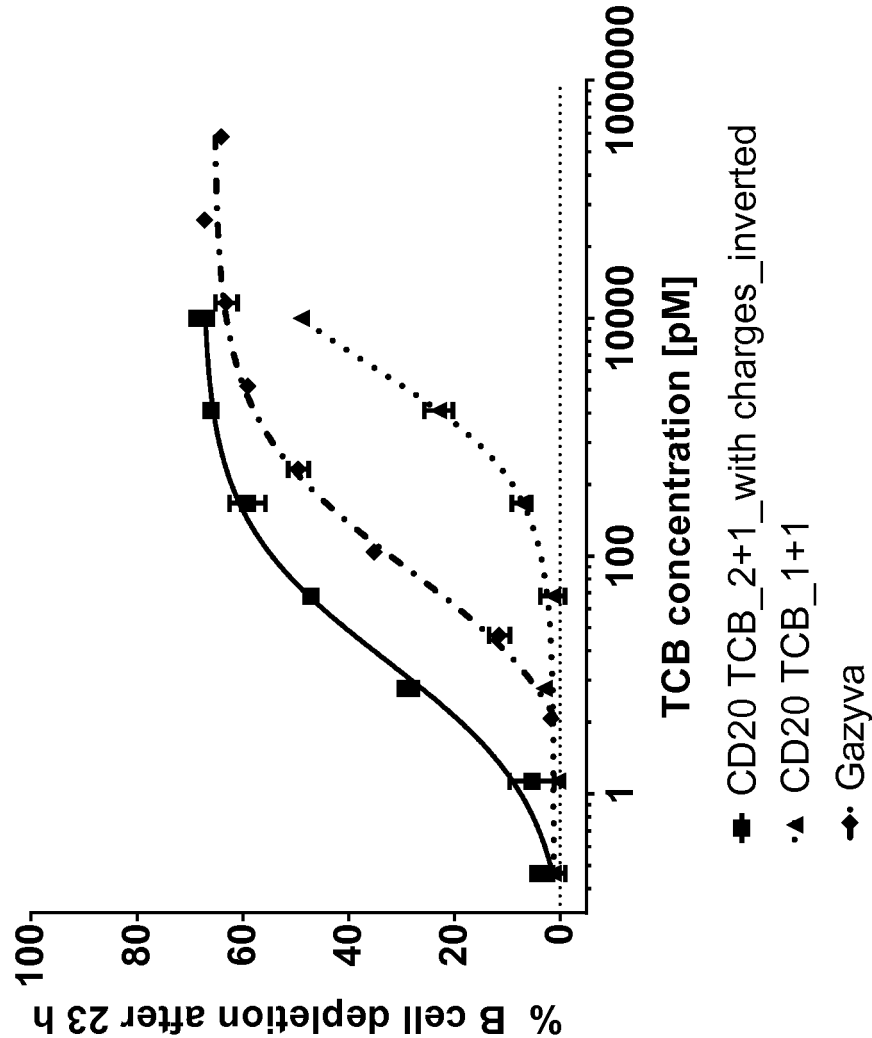
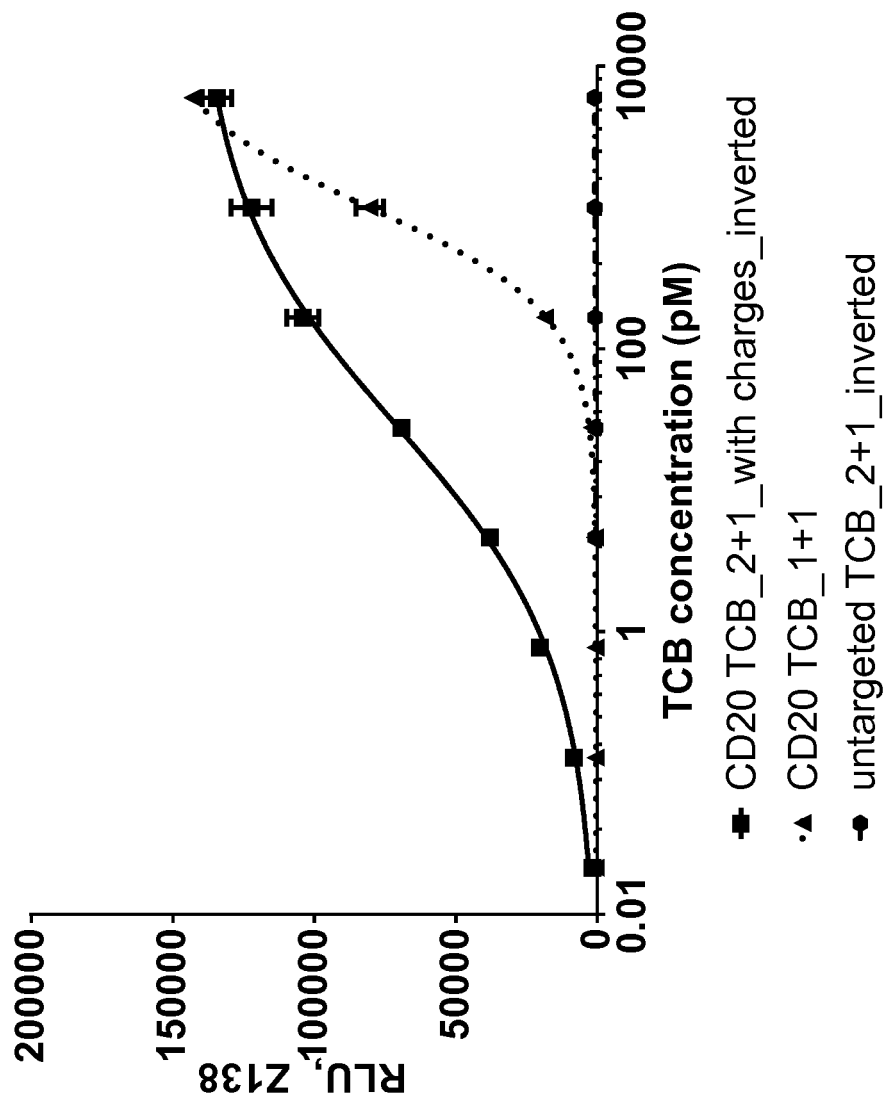


Figure 15



38/73

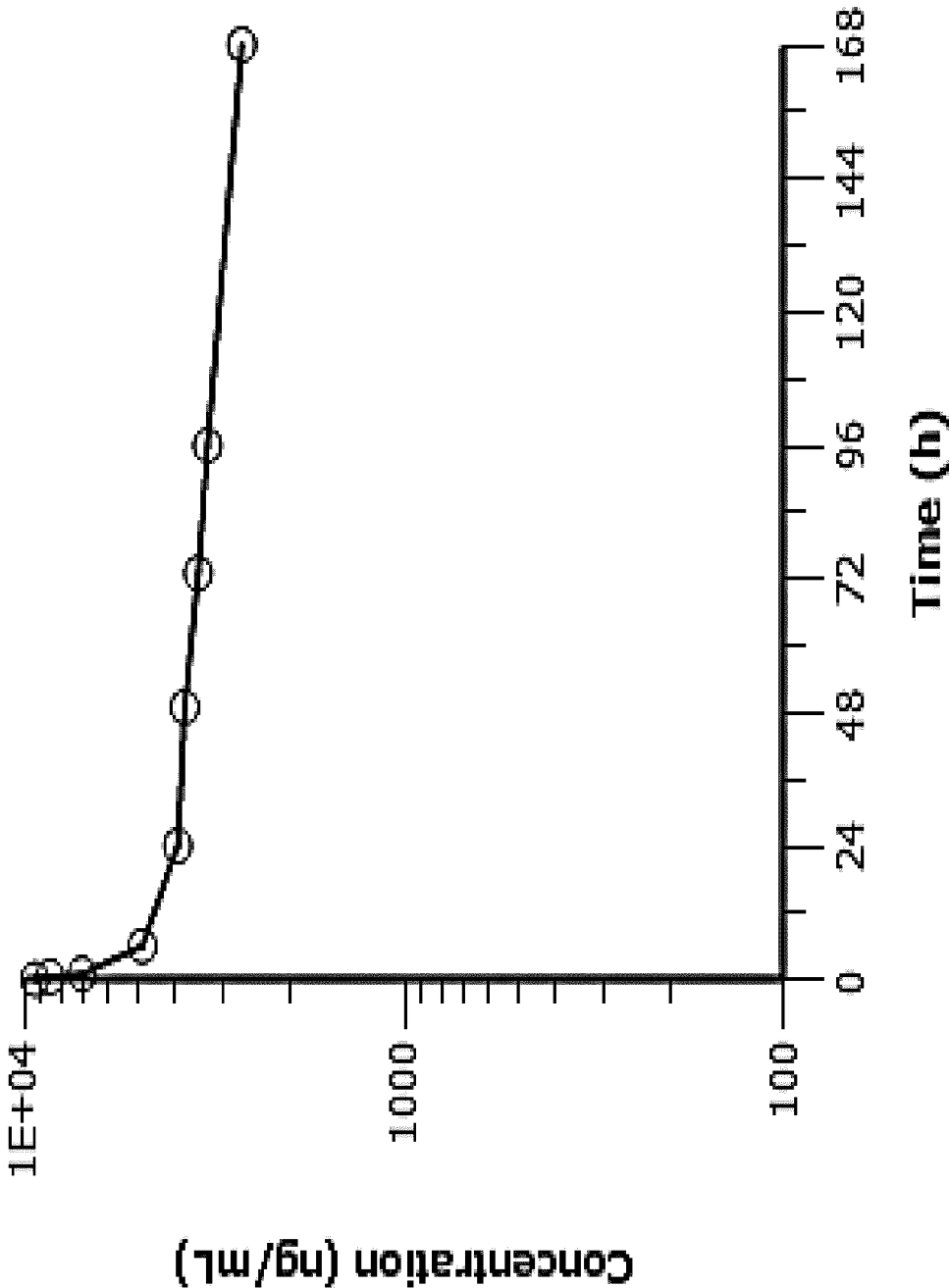


Figure 16

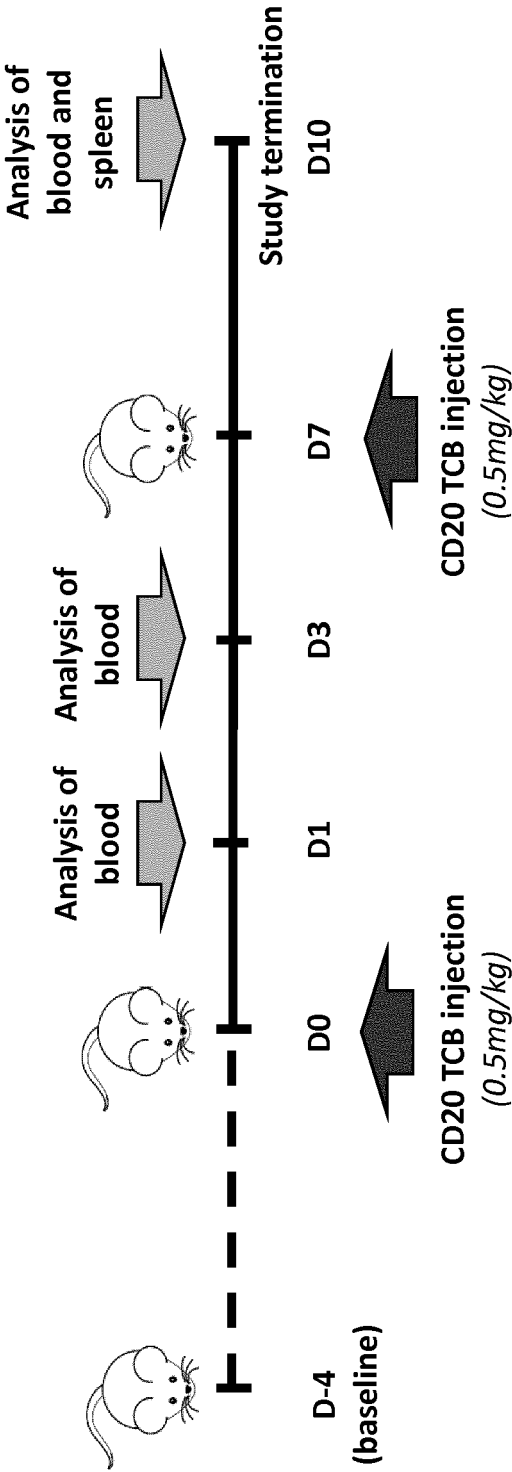


Figure 17

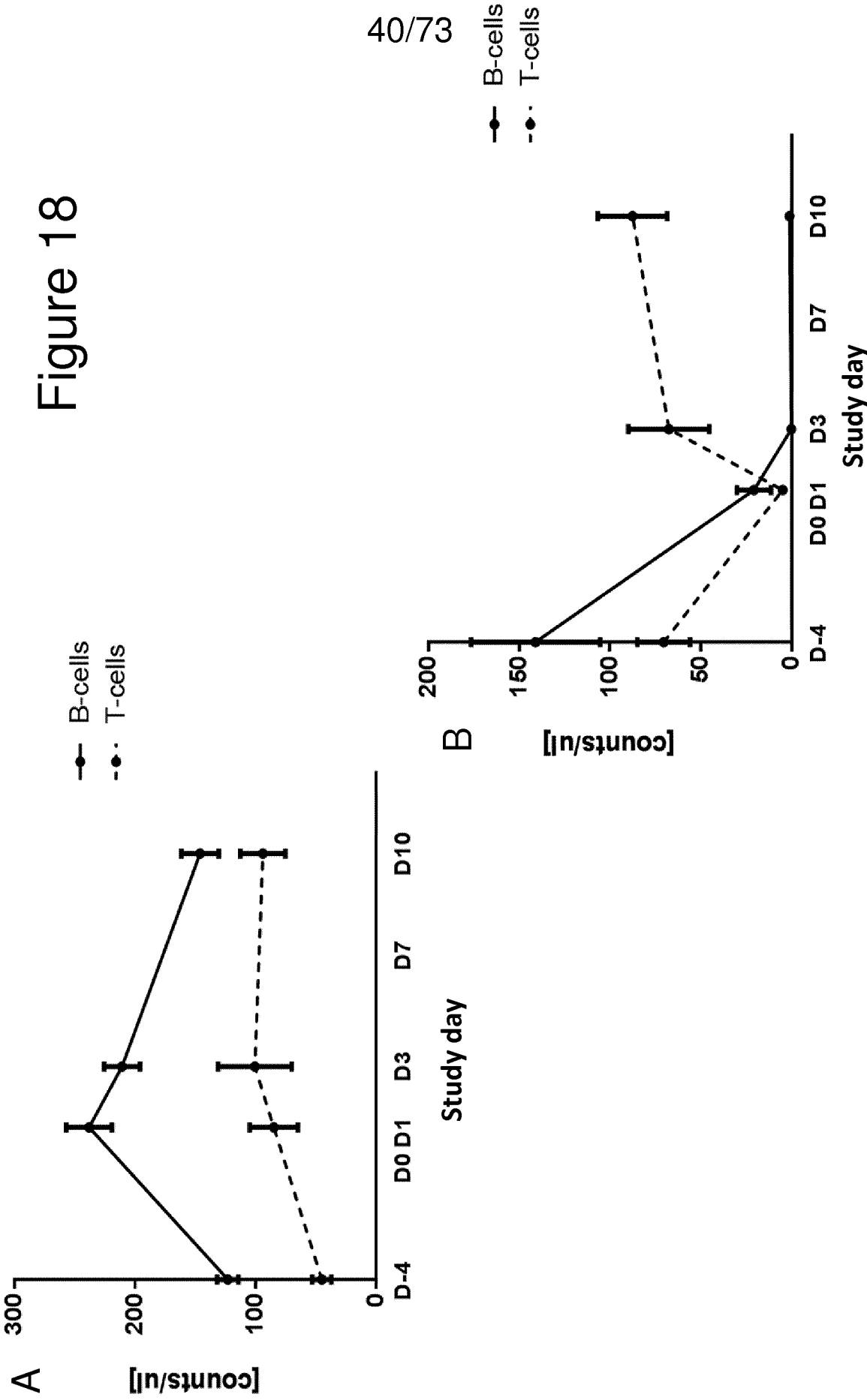


Figure 19

41/73

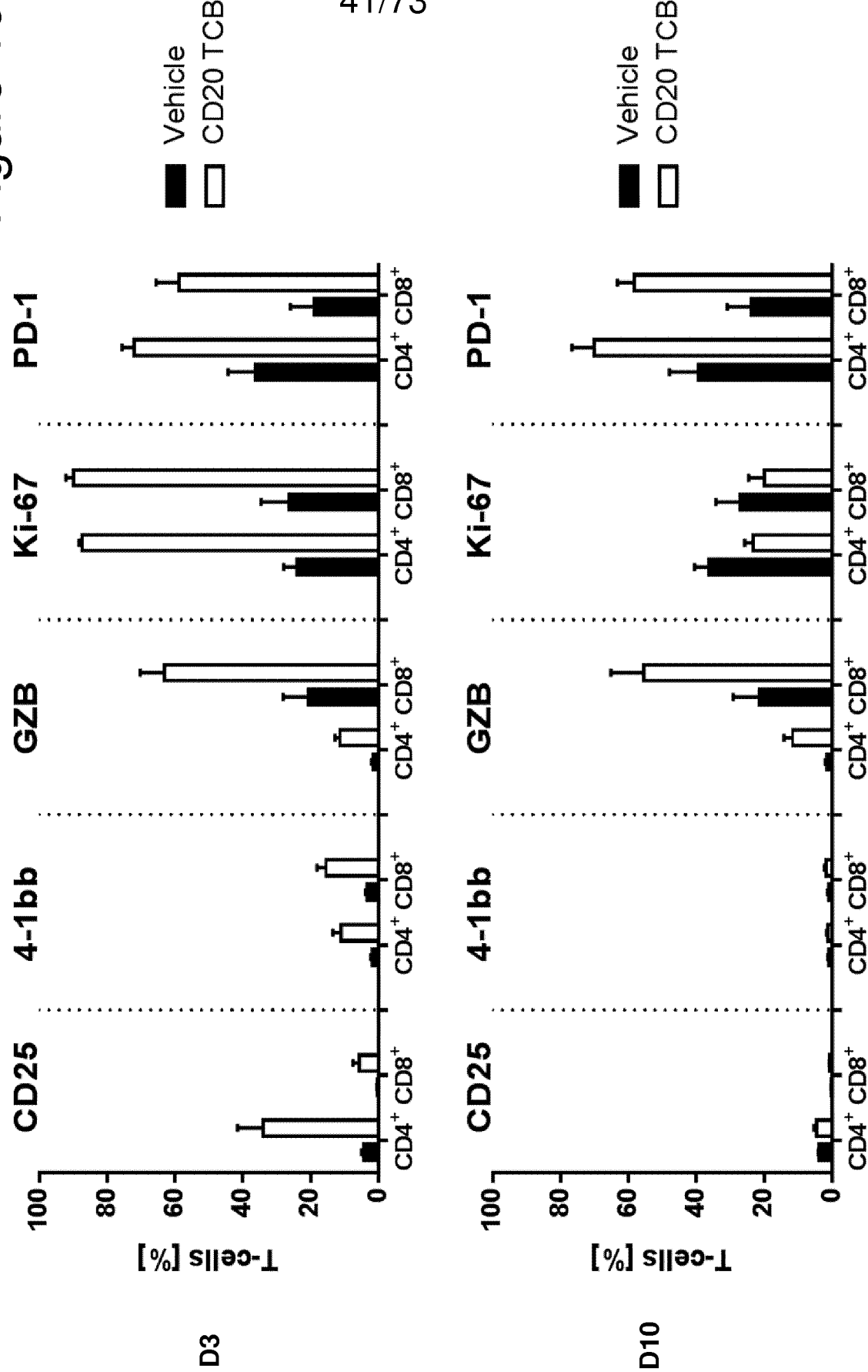


Figure 20

42/73

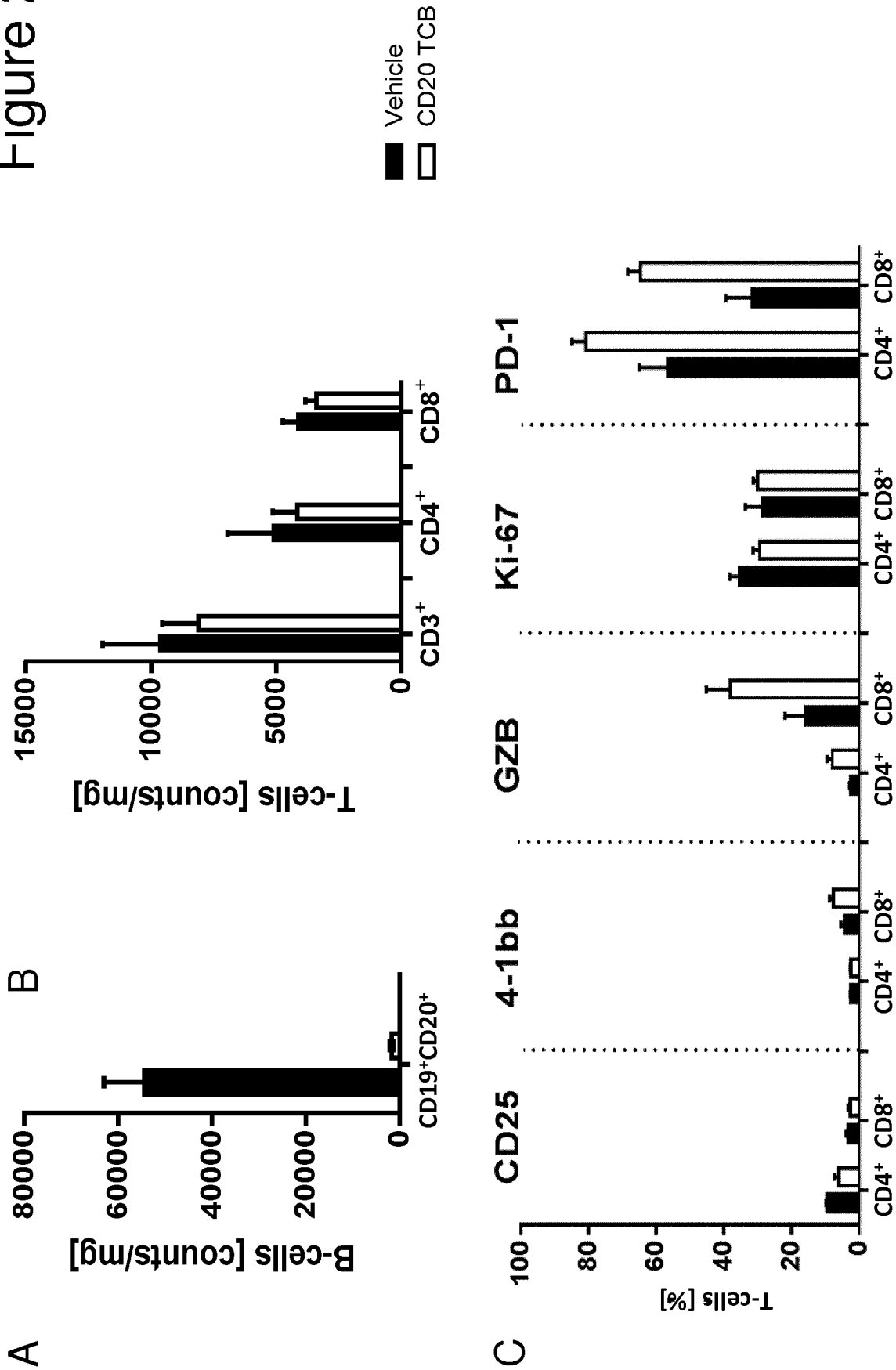
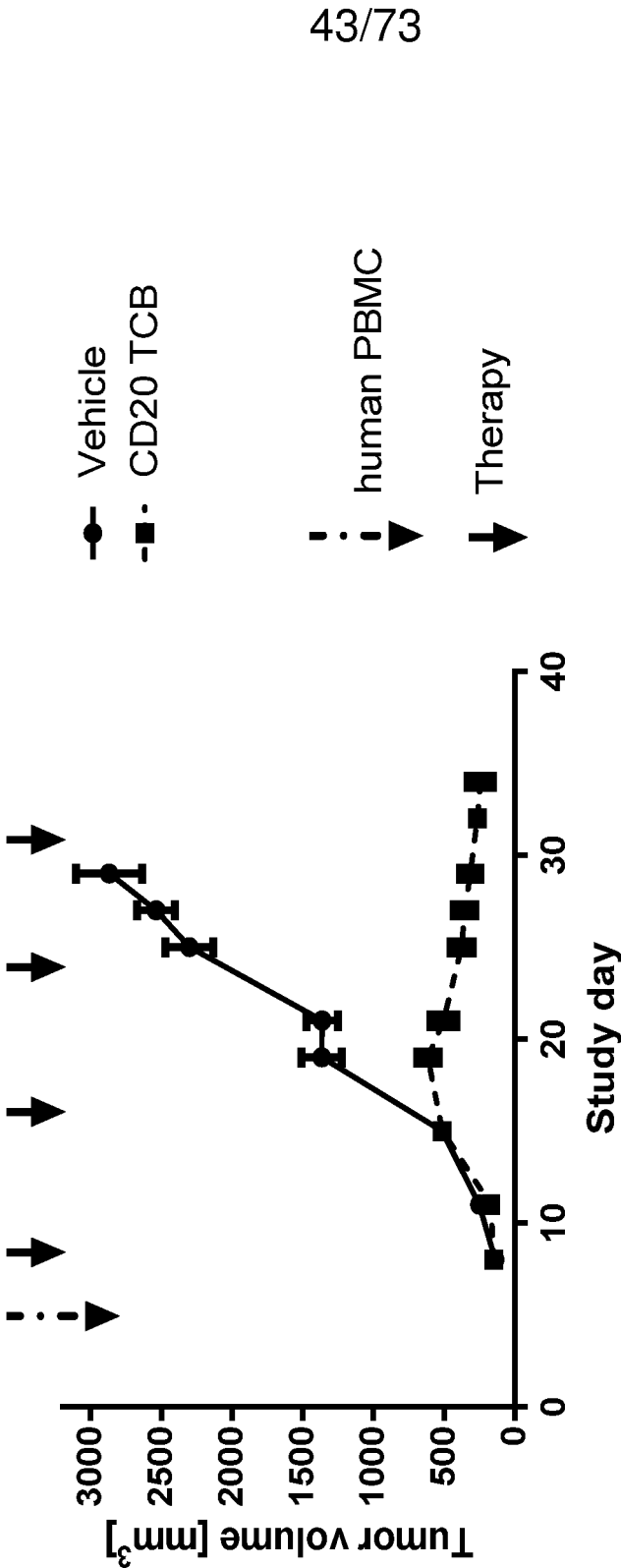


Figure 21



44/73

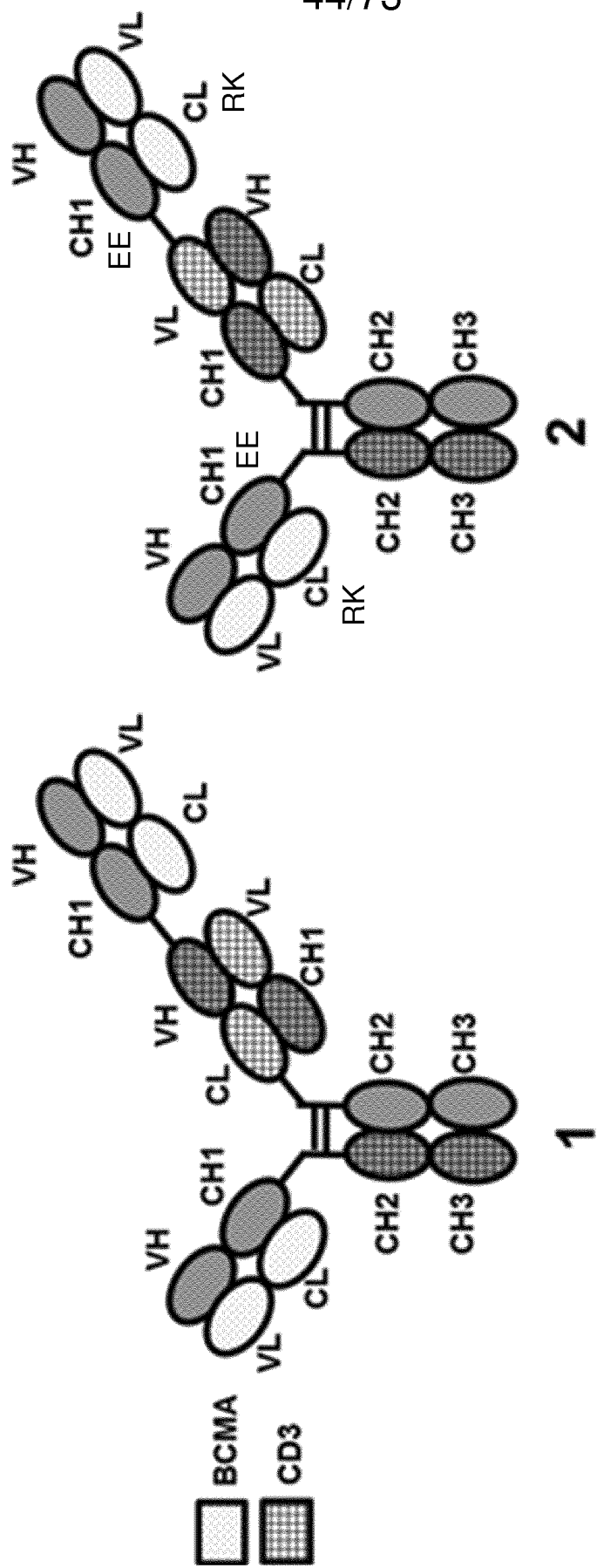


Figure 22

A. 83A10-ICB

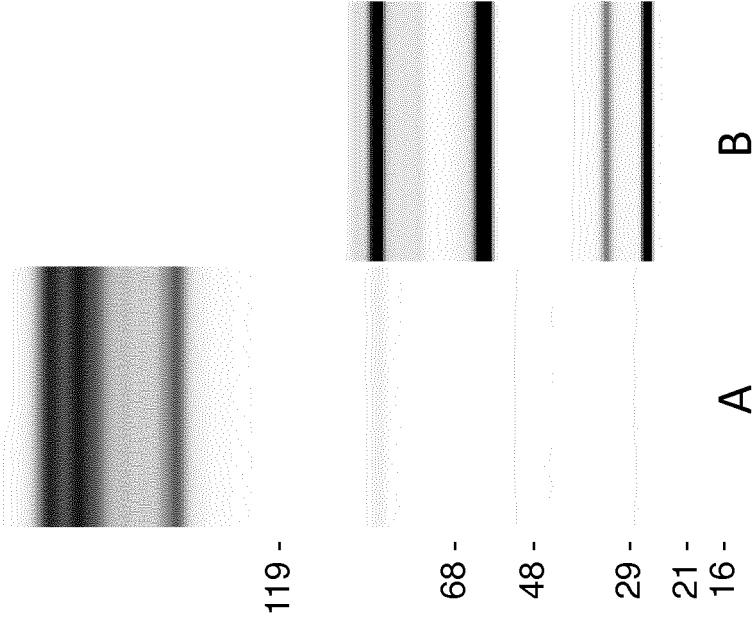
Pur. methods: PA + SEC

Purity: <30%

Yield: 6.7 mg/L

Amount: 2.7 mg

Monomer: 82.8%



Size [kDa]	% Purity
28.78	0.79
89.65	1.20
154.36	22.53
165.88	3.52
172.58	4.23
180.85	16.81
188.67	25.19
198.86	26.52

45/73

Figure 23

B. 83A10-ICB

Pur. methods: PA + SEC +
cIEX + re-SEC
Purity: 93.4%
Yield: 0.42 mg/L
Amount: 0.168 mg
Monomer: 82.8%

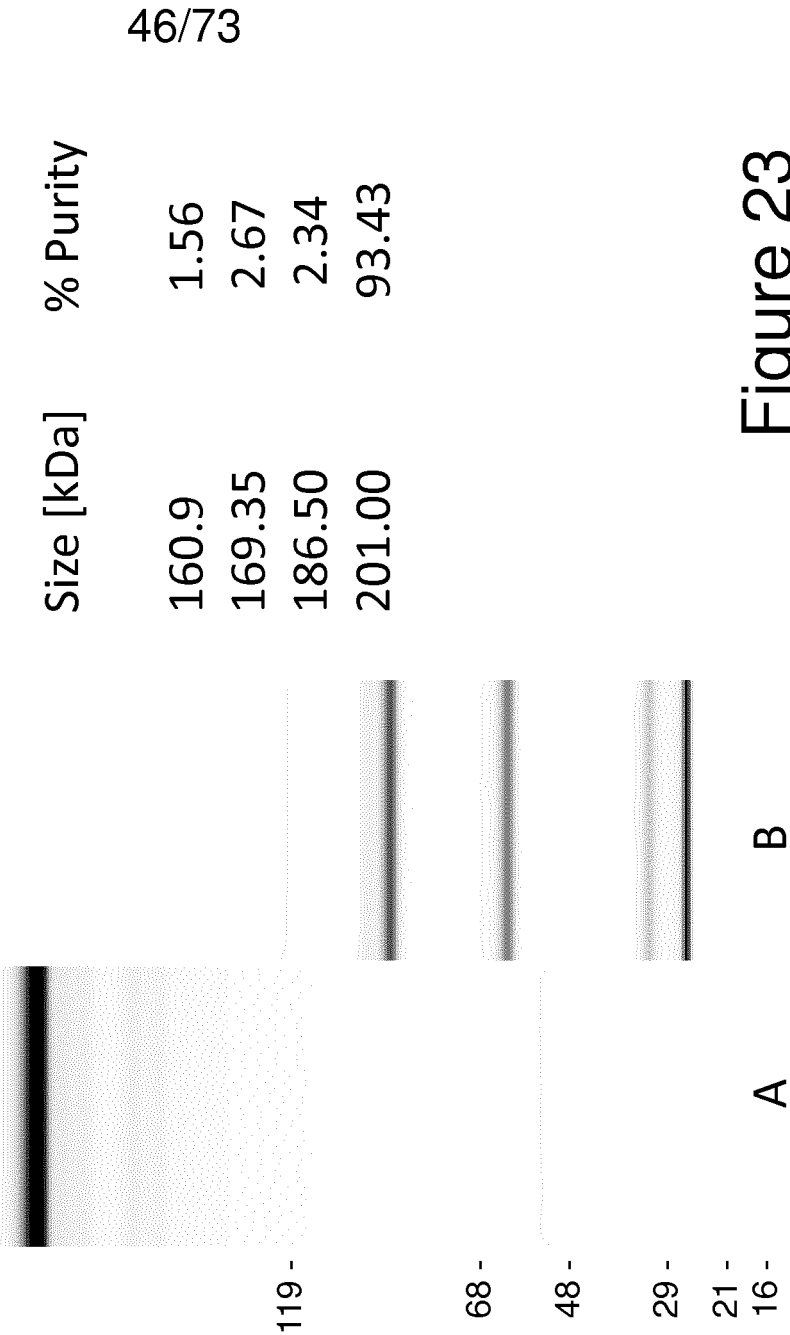


Figure 23

C. 83A10-TCBcv

Pur. methods: PA + cIEX + SEC
Purity: 95.3%
Yield: 3.3 mg/L
Amount: 1.3 mg
Monomer: 100%

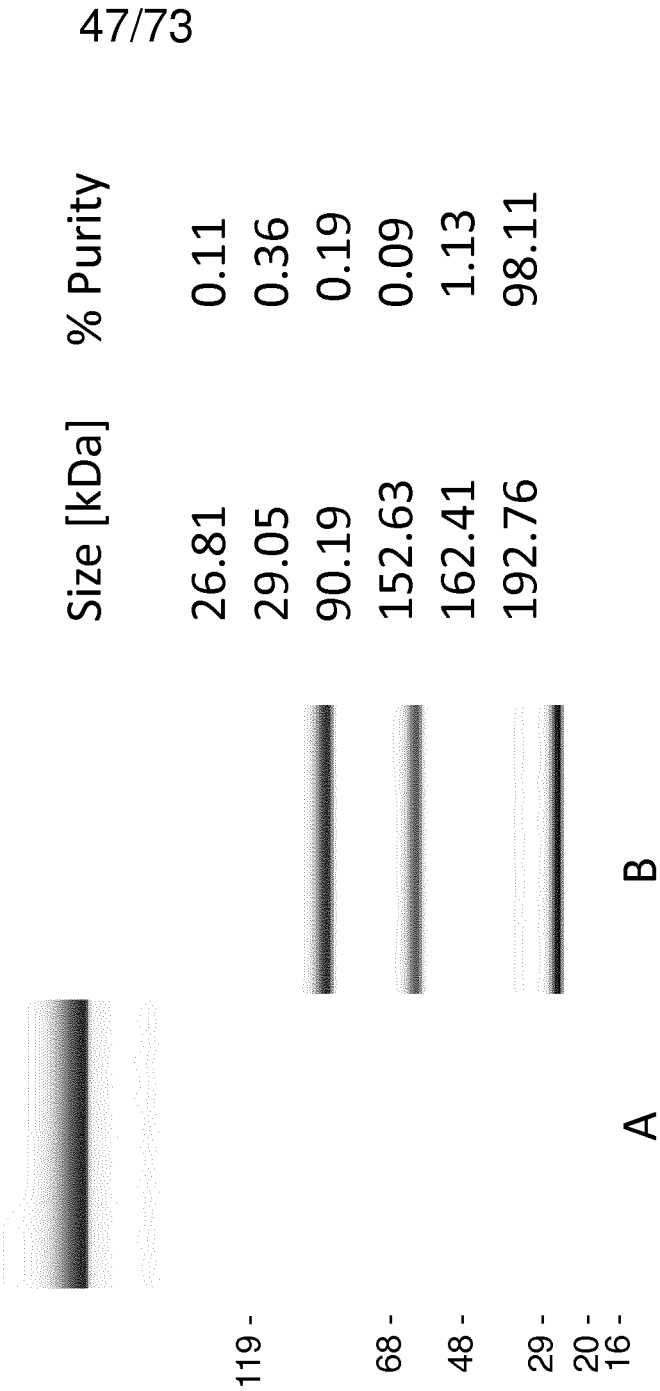


Figure 23

A. 83A10-ICB

Pur. methods: PA
Purity: 61.3%
Yield: 26.2 mg/L
Amount: 24.3 mg
Monomer: 63.7%
LC-MS: n.d.

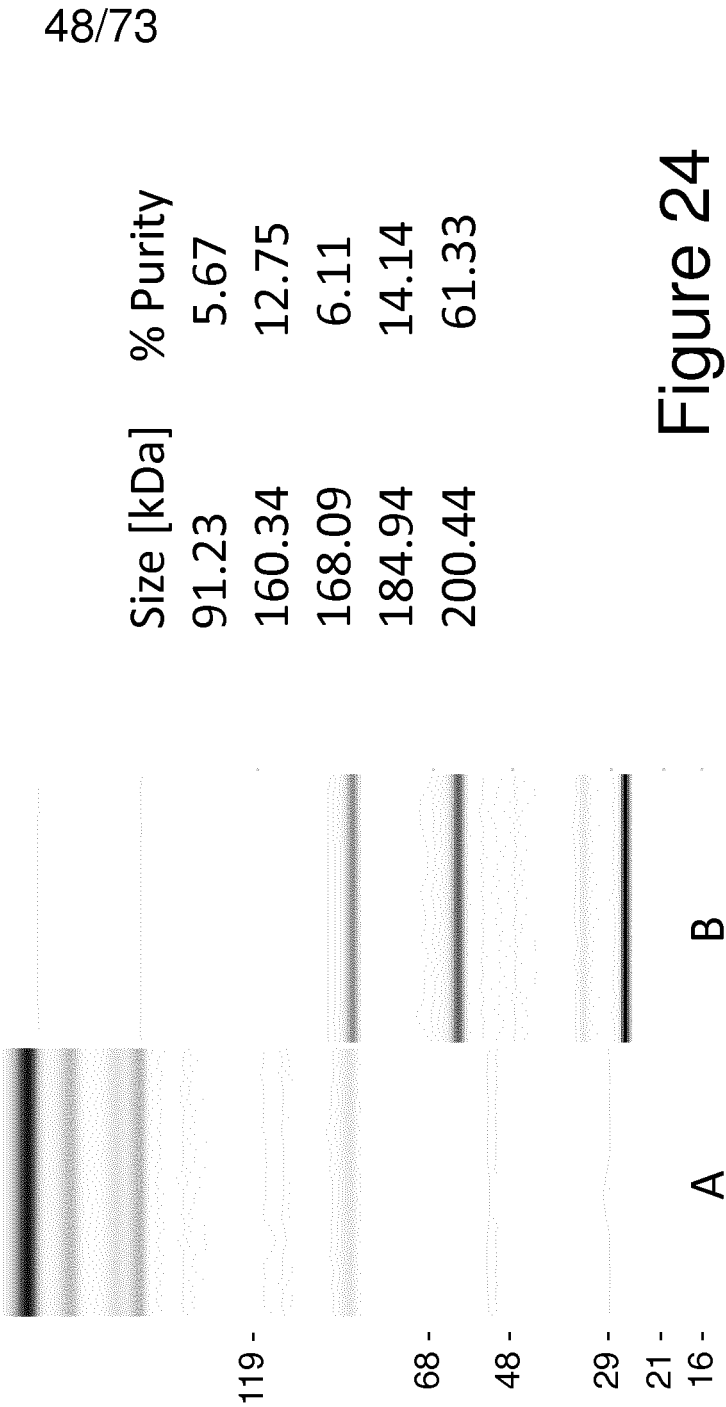


Figure 24

49/73

B. 83A10-ICBcv

Pur. methods: PA
Purity: 81.0%
Yield: 51.5 mg/L
Amount: 50.2 mg
Monomer: 68.2%
LC-MS: n.d.

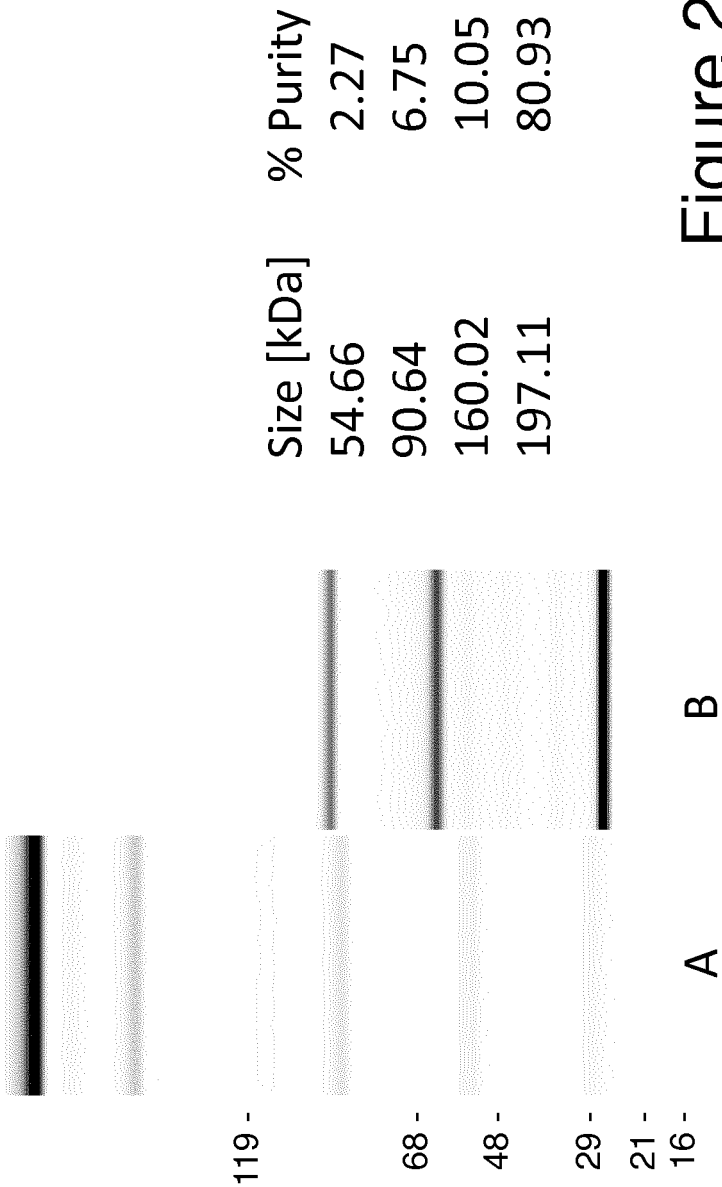
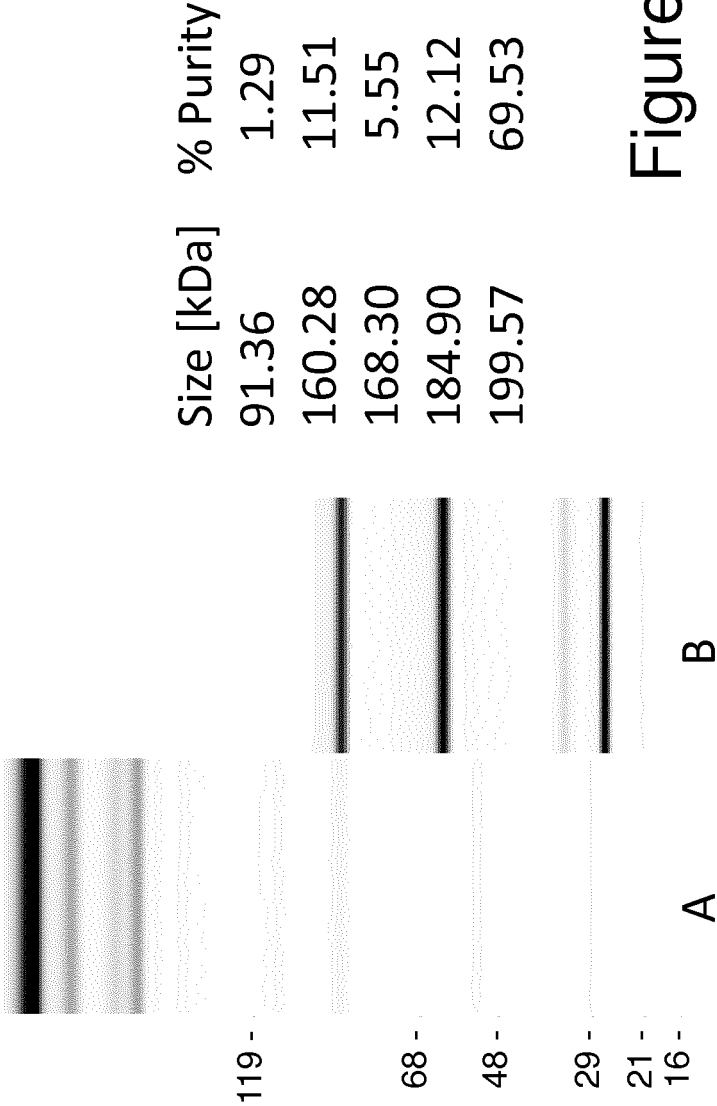


Figure 24

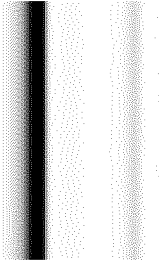
C. 83A10-ICB

Pur. methods: PA + SEC
Purity: 69.5%
Yield: 14.1 mg/L
Amount: 13.1 mg
Monomer: 74.7%
LC-MS: 40-60% correct molecule



D. 83A10-ICBcv

Pur. methods: PA + SEC
Purity: 91.0%
Yield: 10.3 mg/L
Amount: 10.0 mg
Monomer: 83.9%
LC-MS: 90% correct molecule



	Size [kDa]	% Purity
119 -	91.20	1.03
68 -	160.92	6.42
48 -	184.74	1.59
29 -	196.63	90.96

A

B

Figure 24

E. 83A10-ICB

Pur. methods: [(PA + SEC
+ (PA))] + cLEX + SEC
Purity: 43.1%
Yield: 0.43 mg/L
Amount: 0.73 mg
Monomer: 98.3%
LC-MS: 60-70% correct
molecule

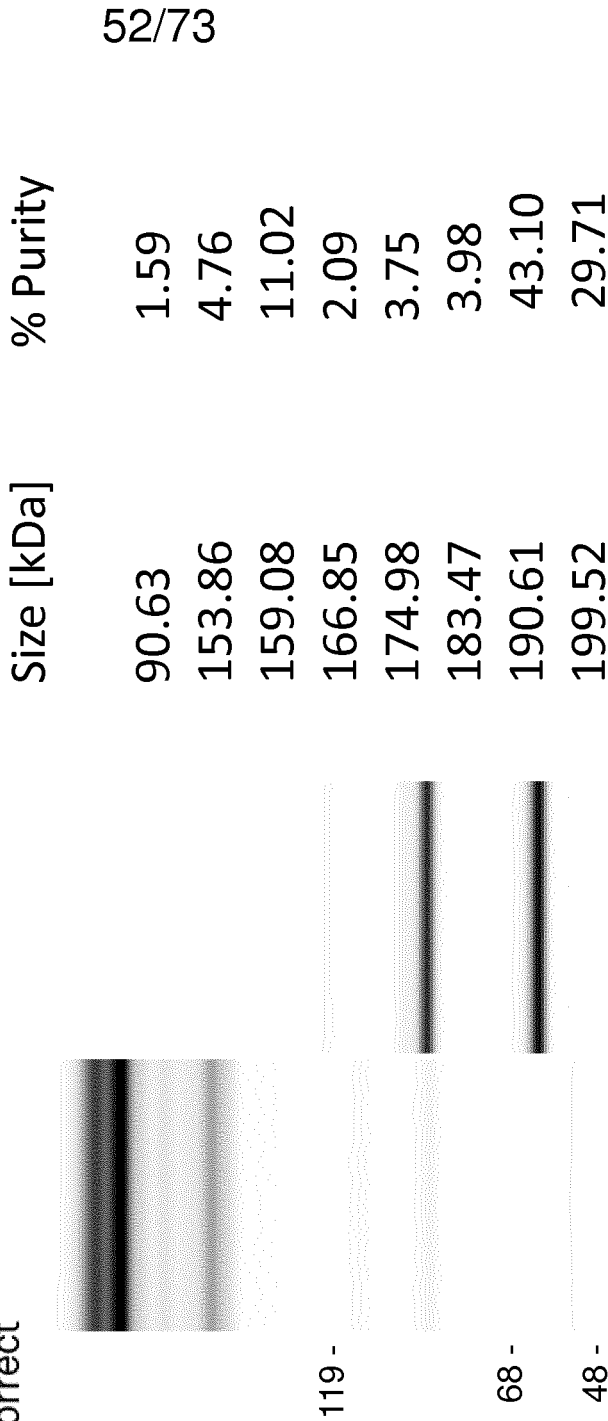


Figure 24

F. 83A10-TCBcy

Pur. methods: [(PA + SEC
+ (PA))] + cIEX + SEC
Purity: 96.2%
Yield: 0.64 mg/L
Amount: 1.27 mg
Monomer: 98.9%
LC-MS: >95% correct
molecule

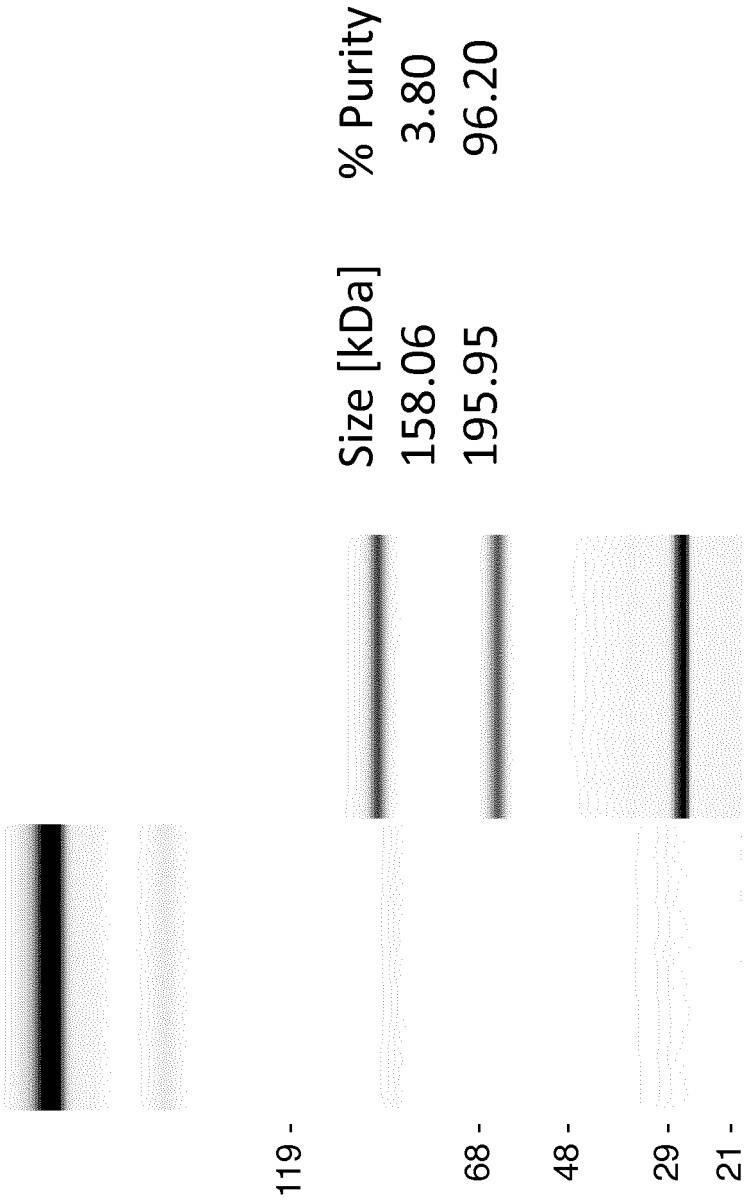


Figure 24

54/73

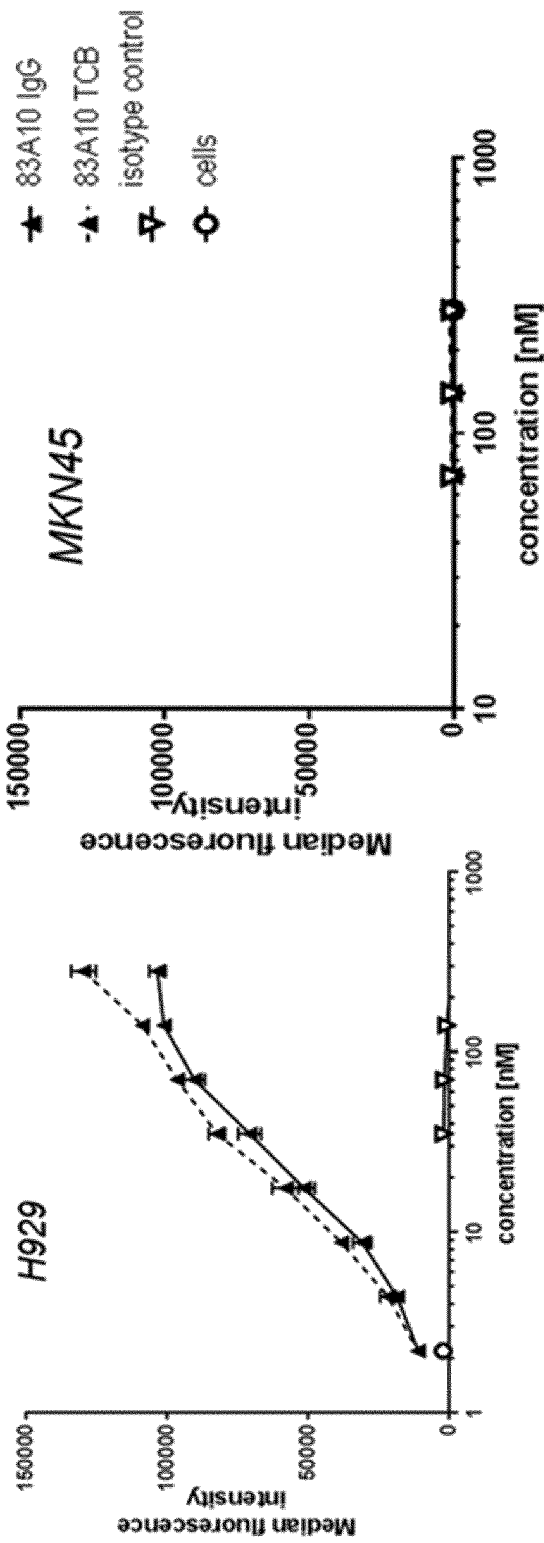
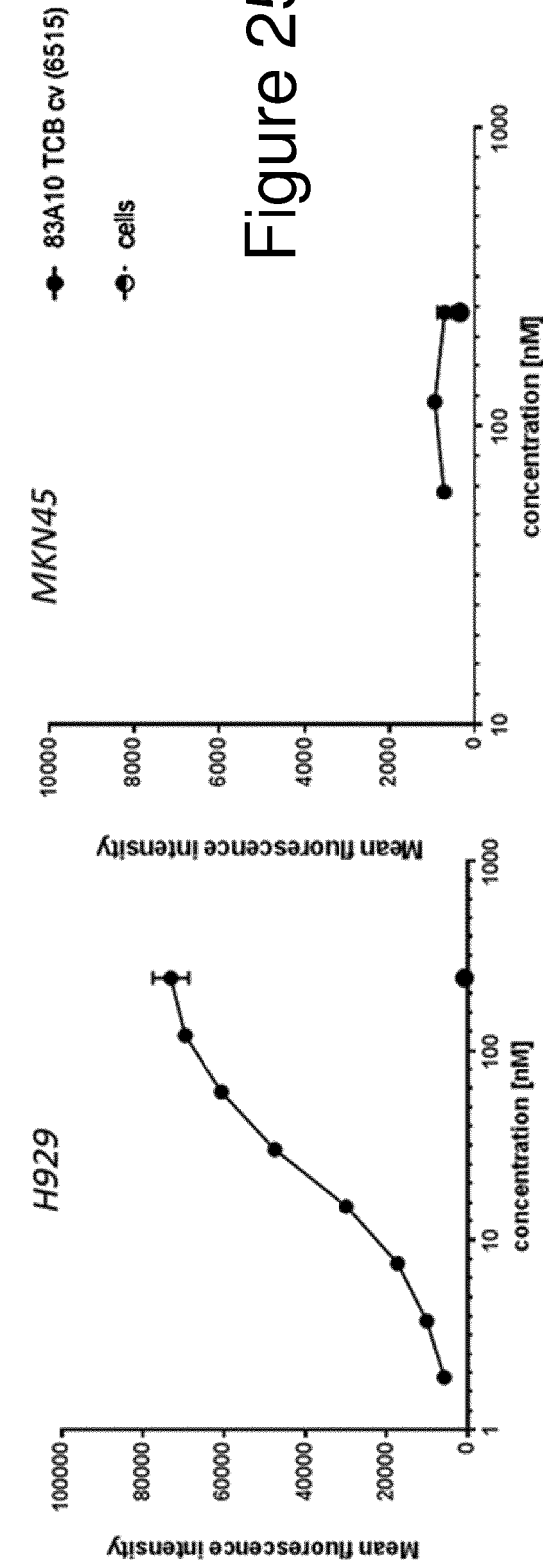


Figure 25

55/73

C

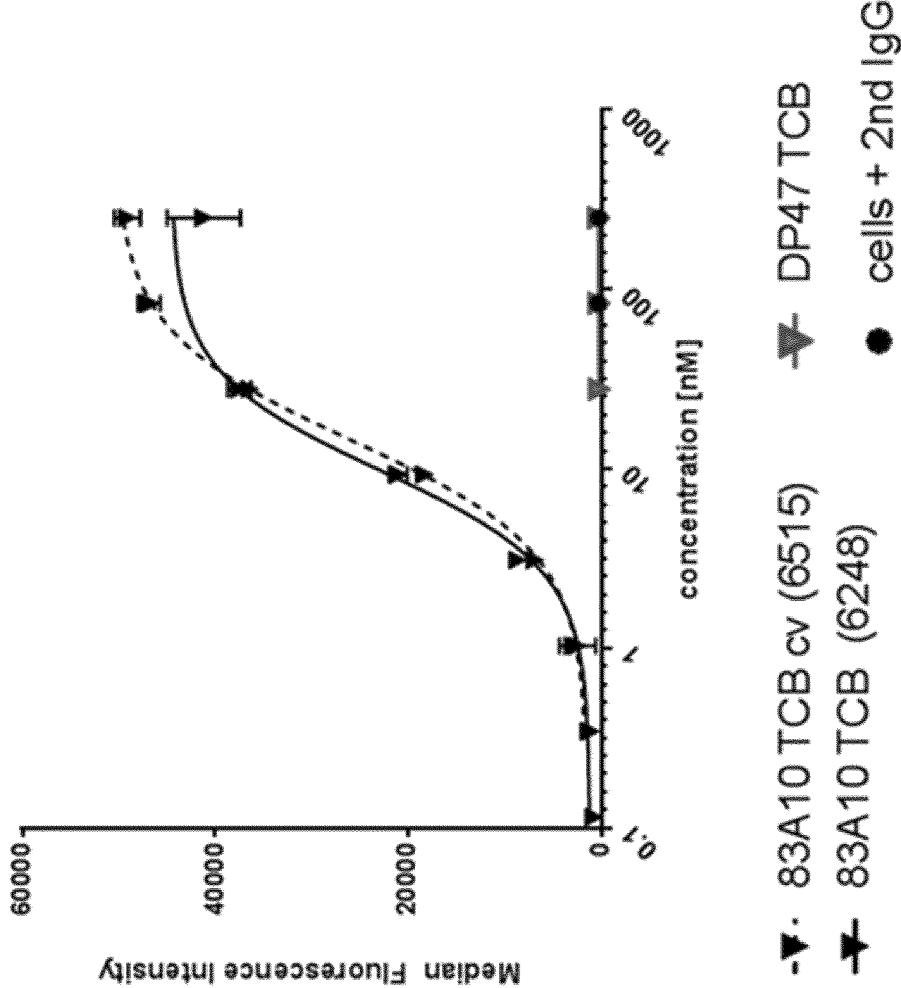


Figure 25

D

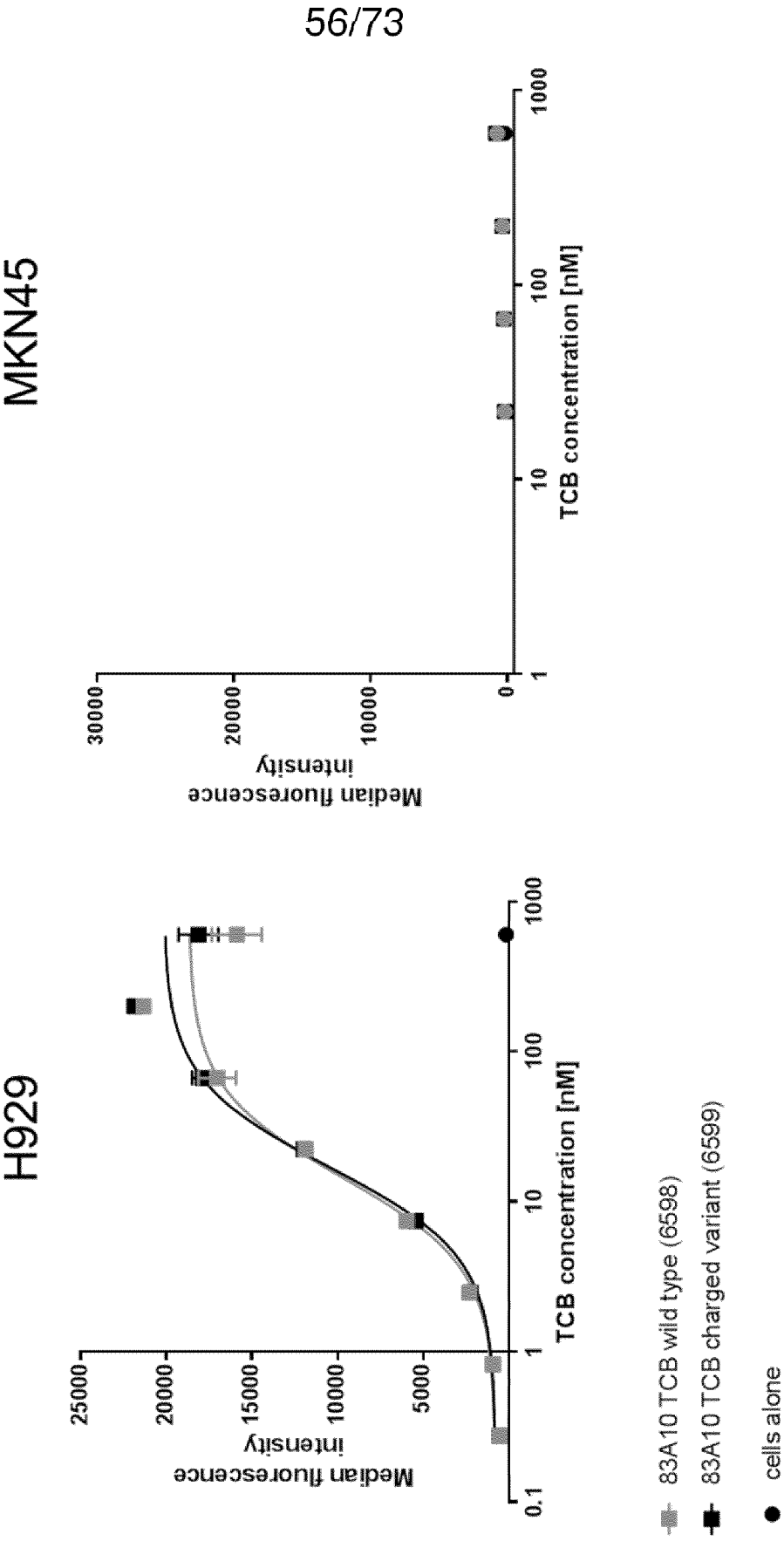


Figure 25

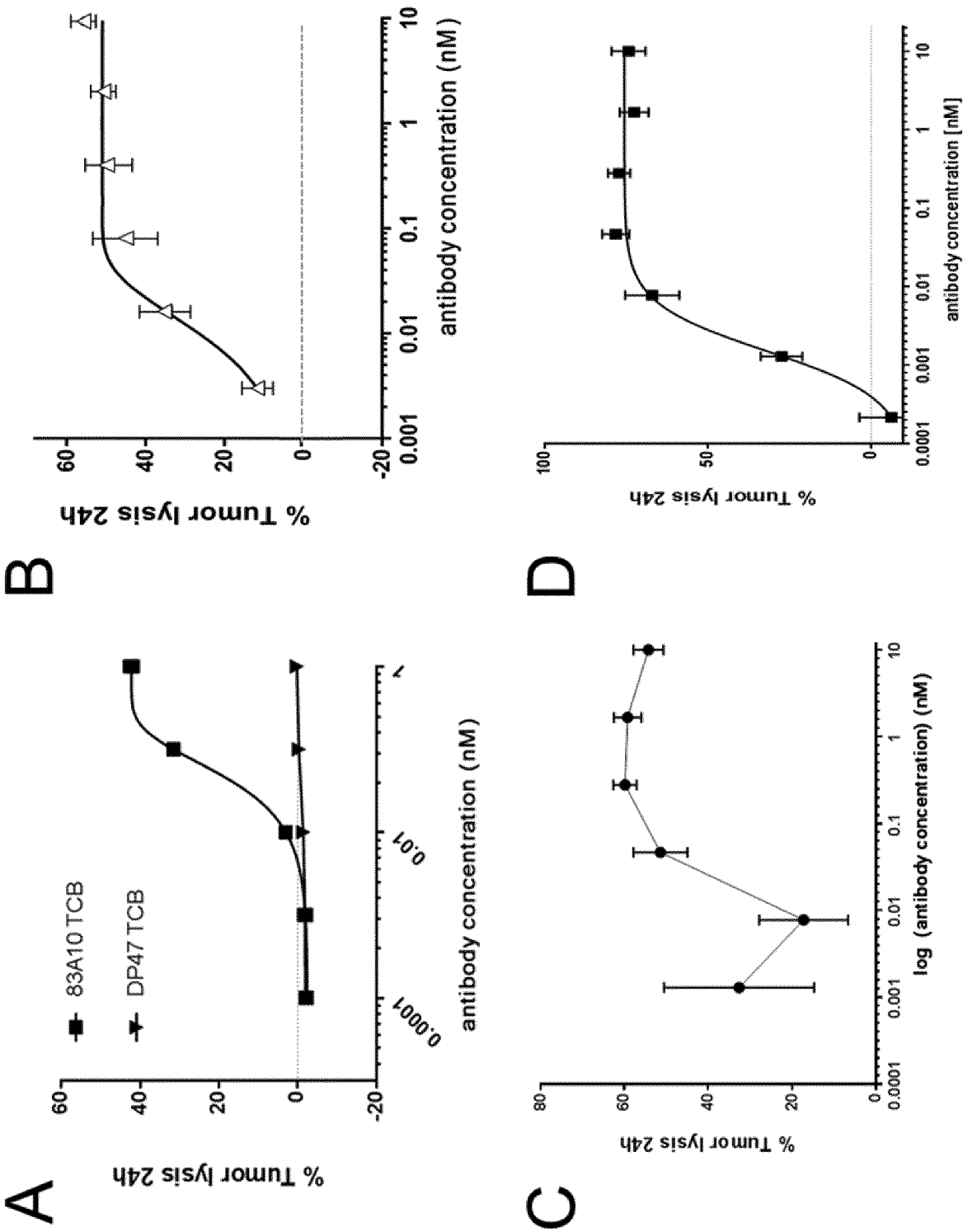


Figure 26

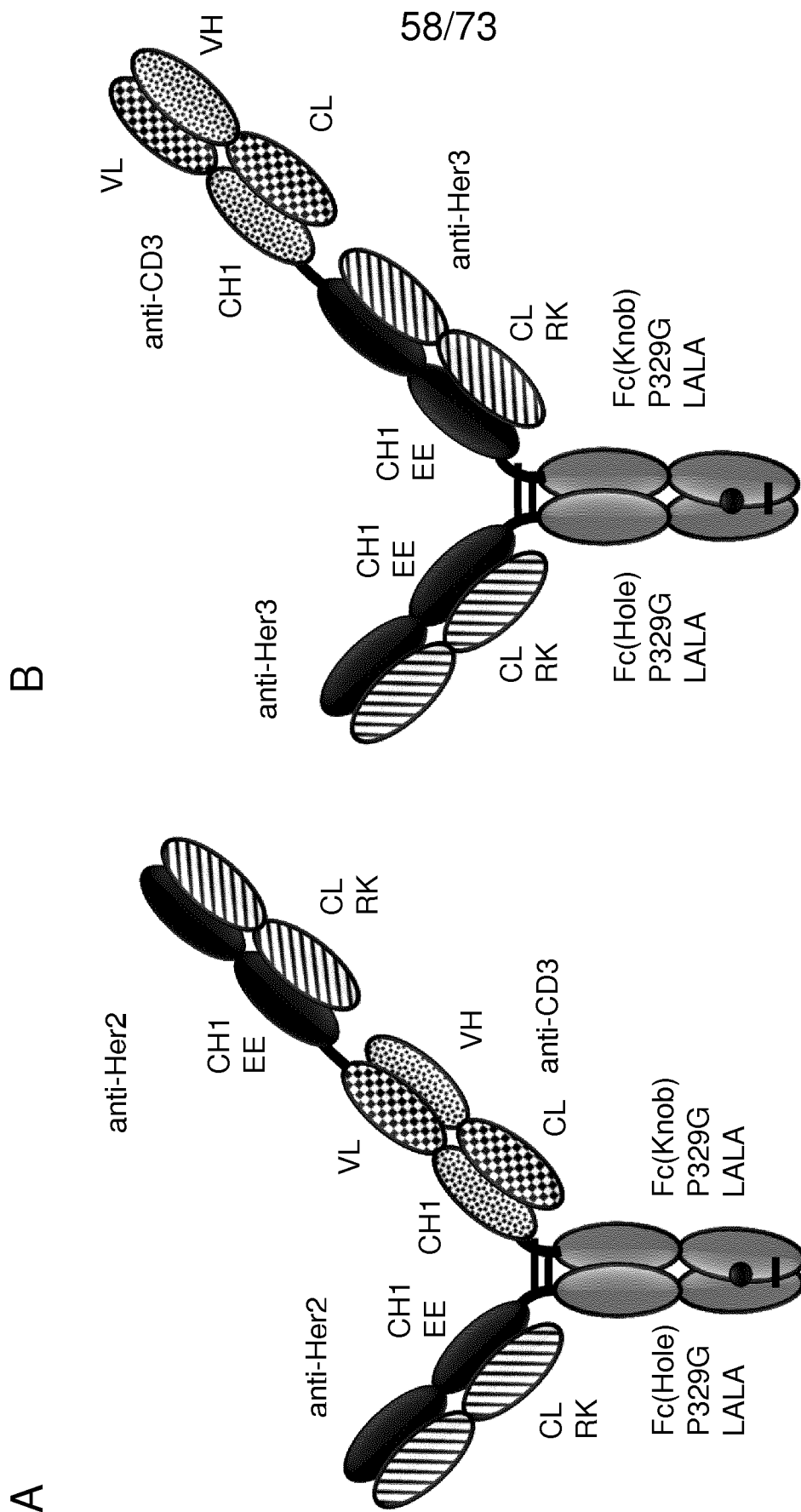
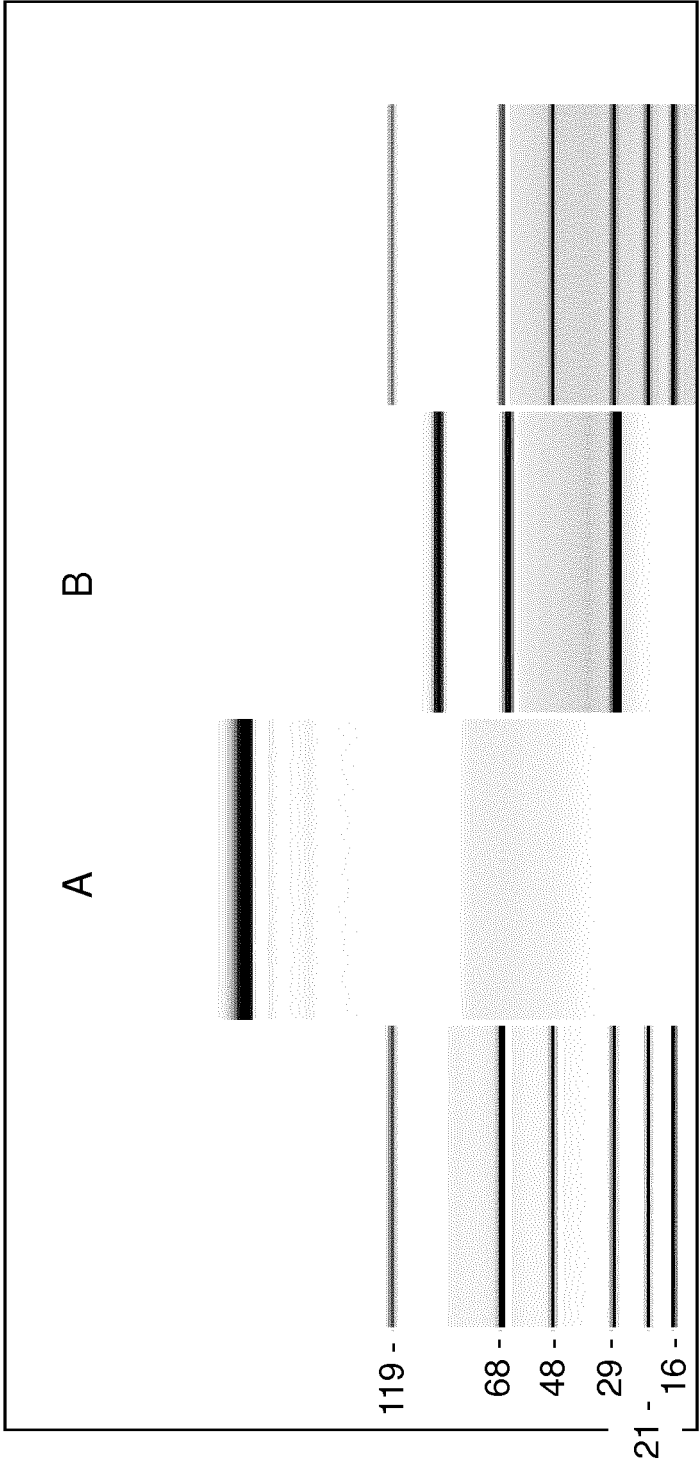


Figure 27

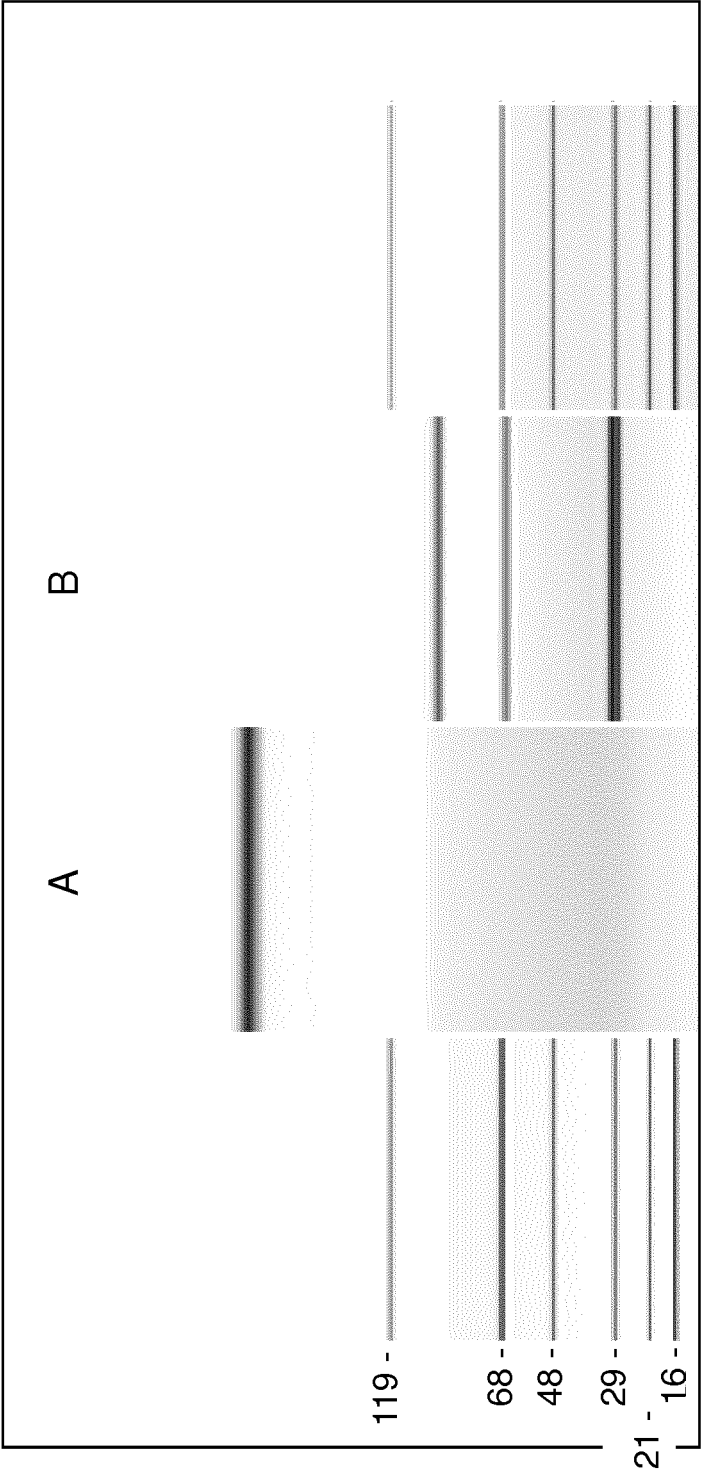
A



59/73

Figure 28

B



60/73

Figure 28

A

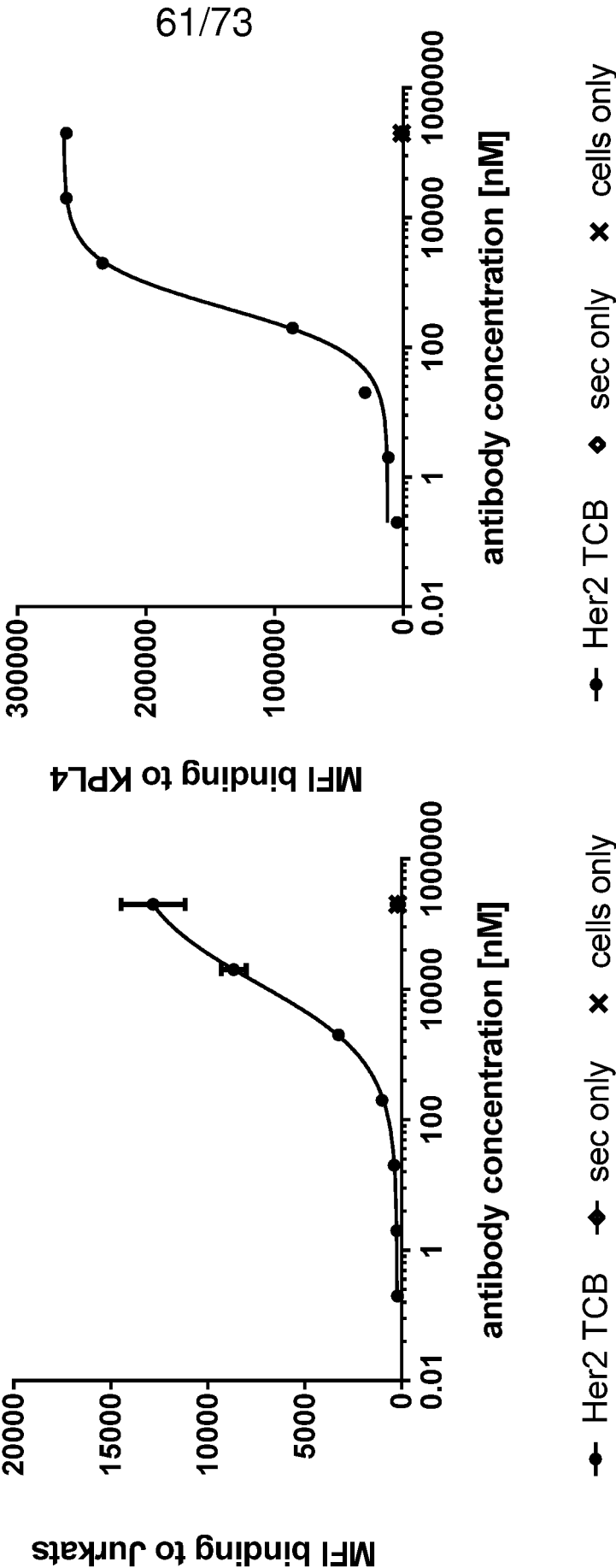


Figure 29

B

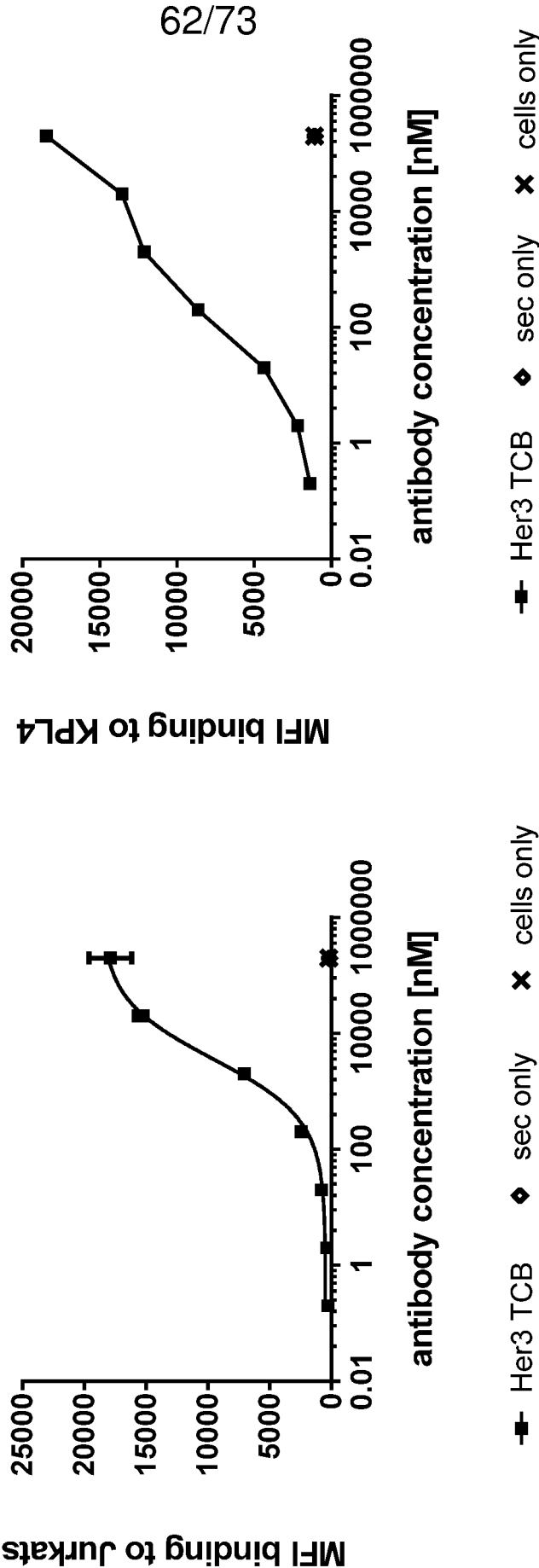


Figure 29

63/73

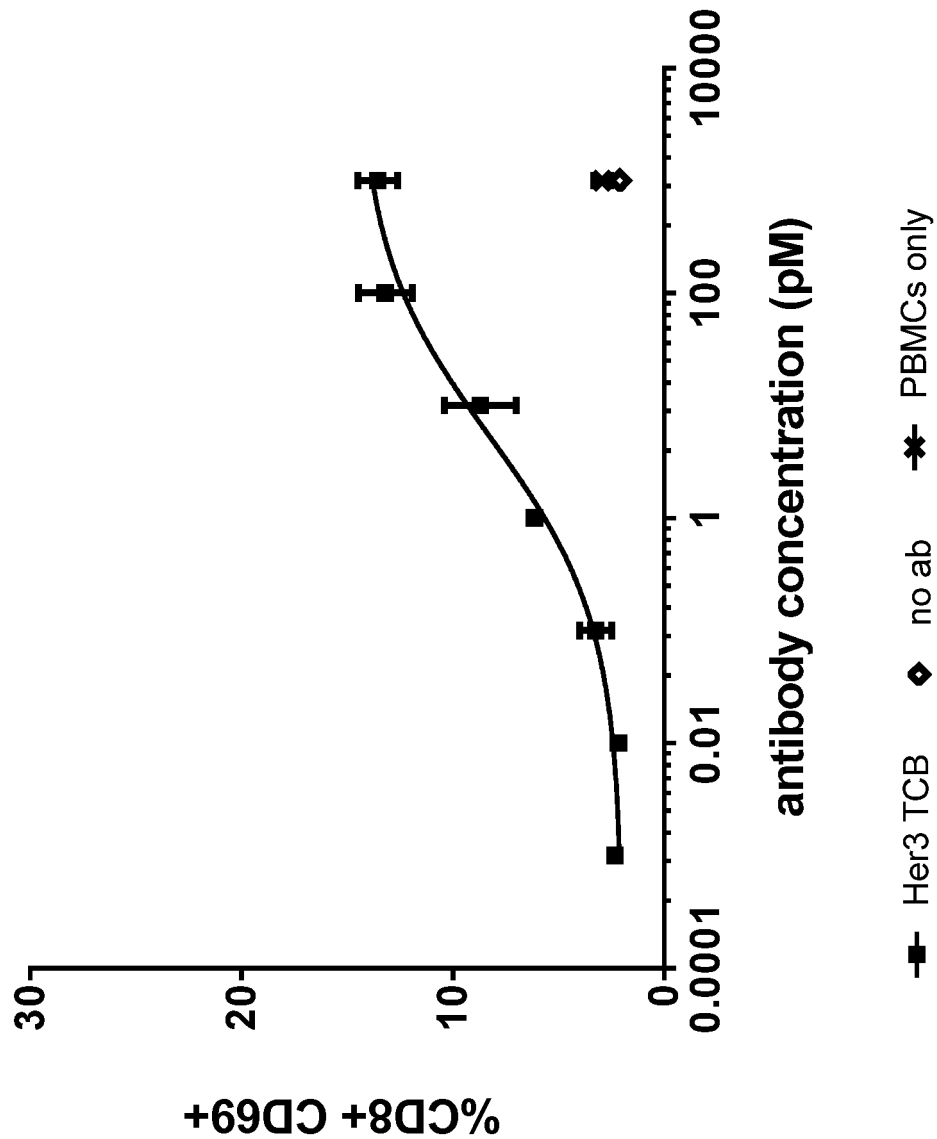


Figure 30

64/73

A

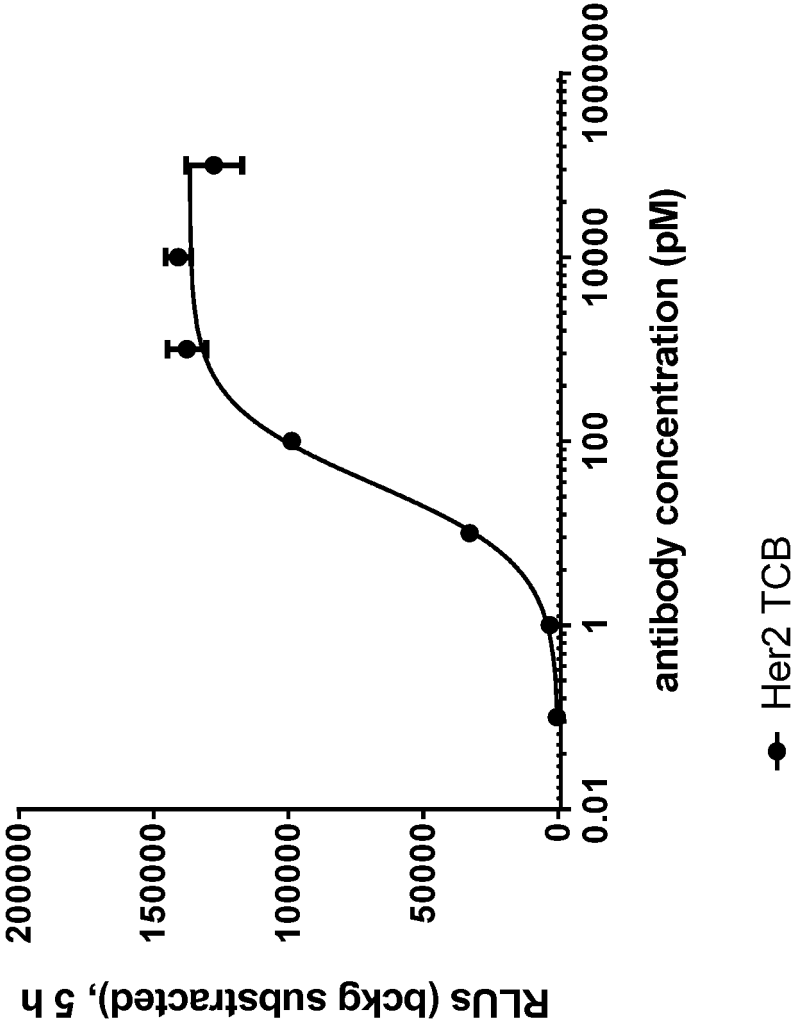


Figure 31

65/73

B

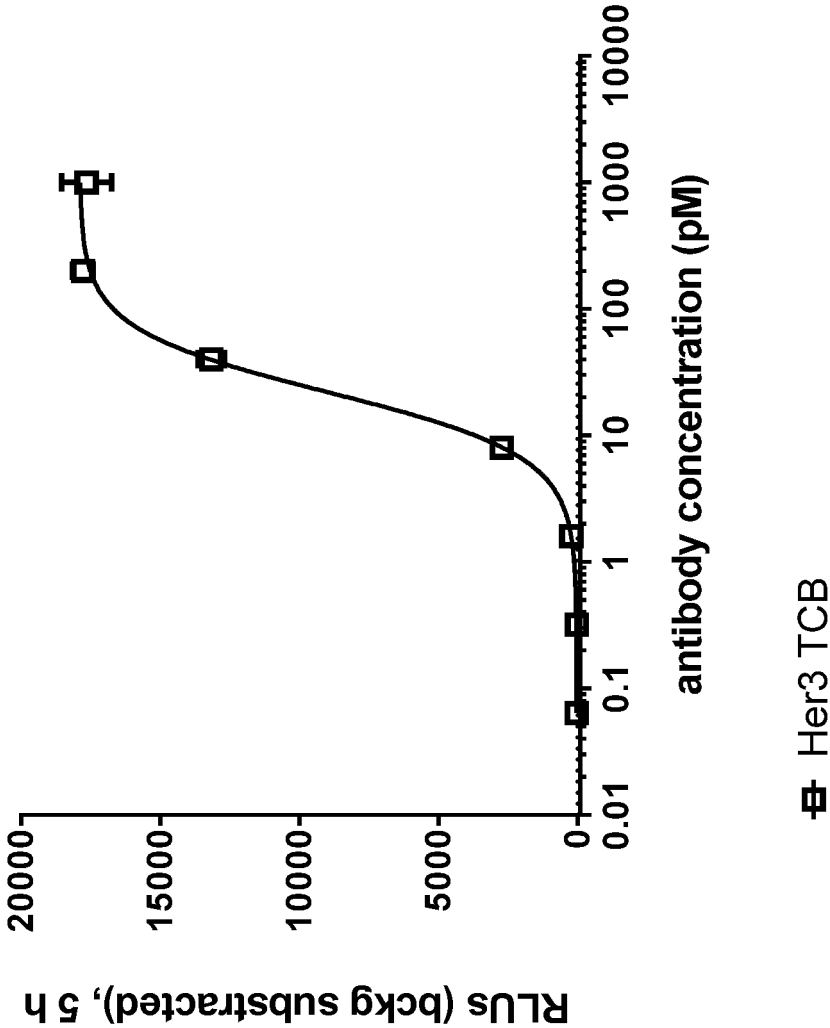


Figure 31

Figure 32

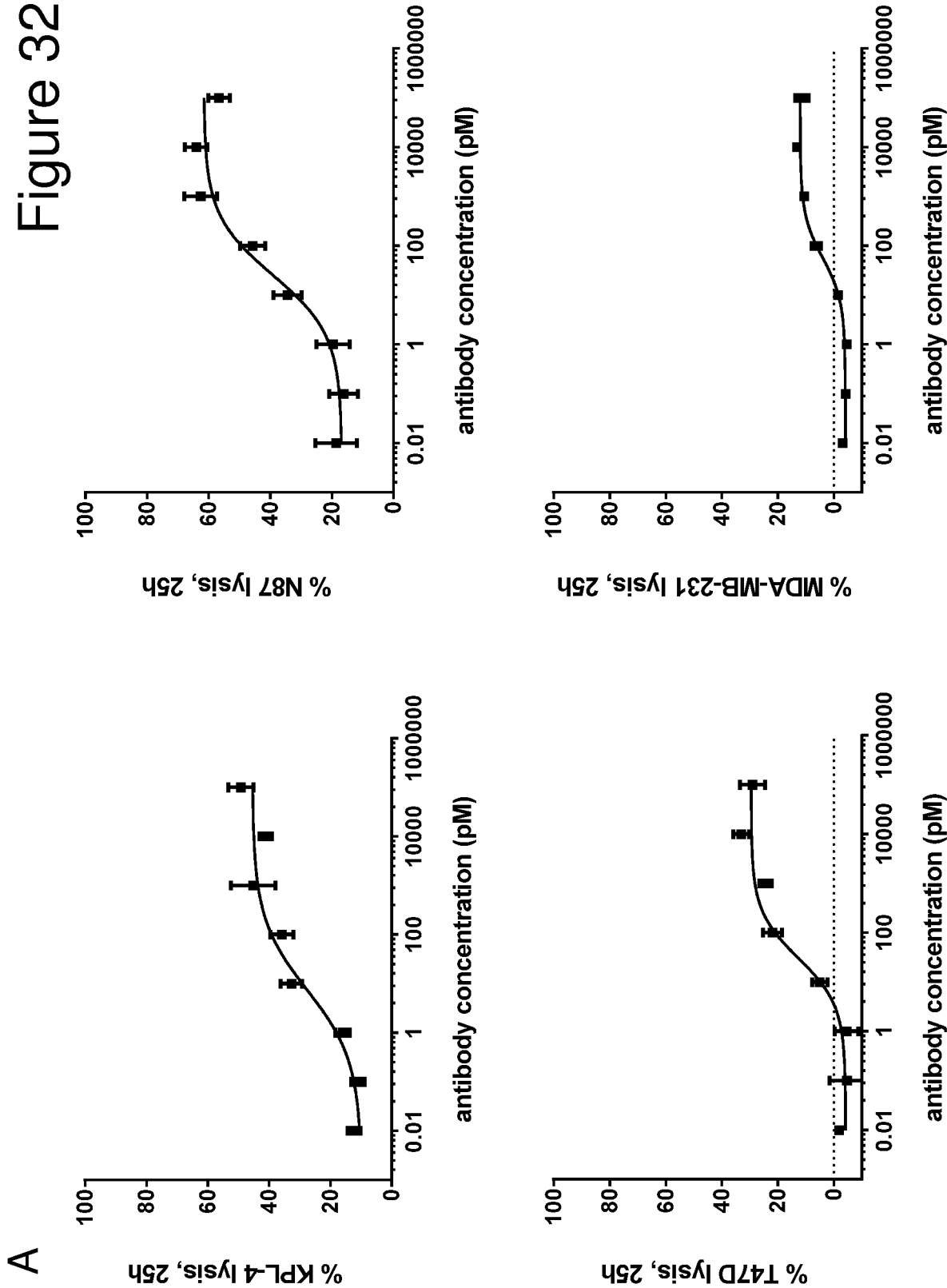
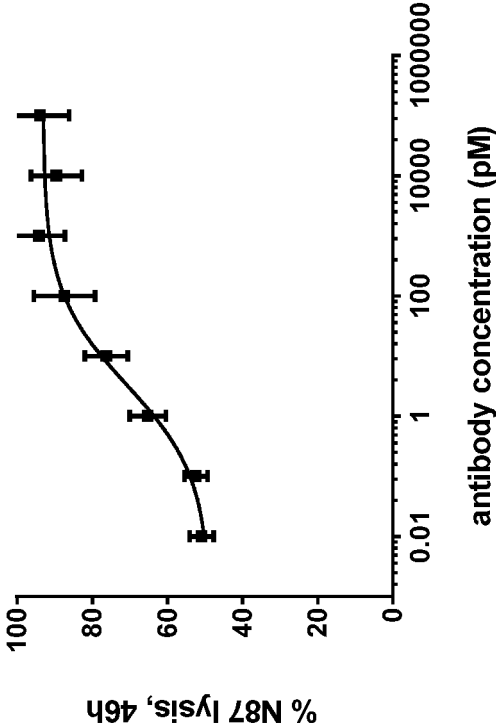
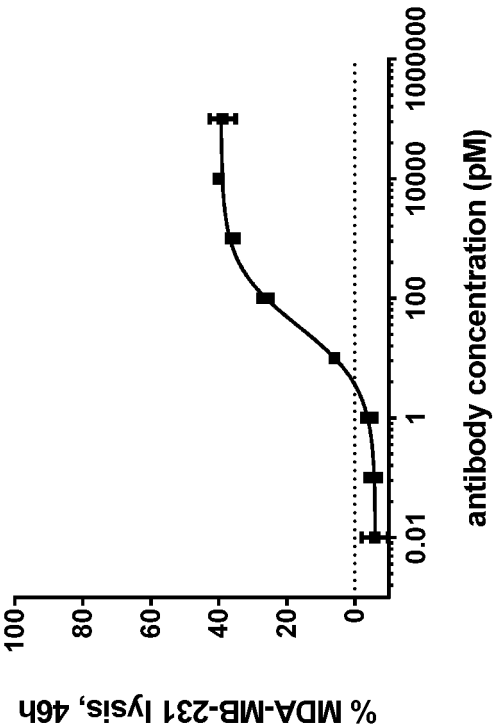
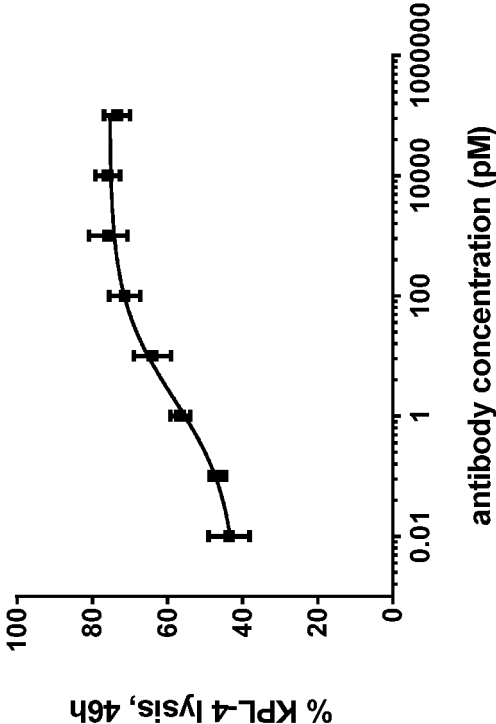
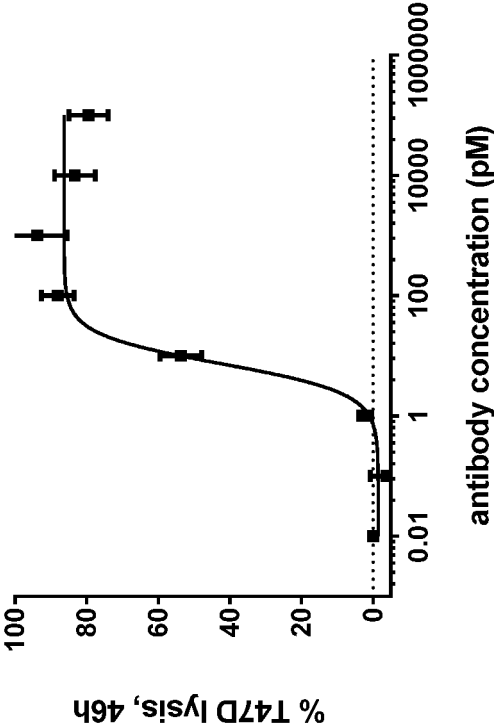


Figure 32



B



68/73

C

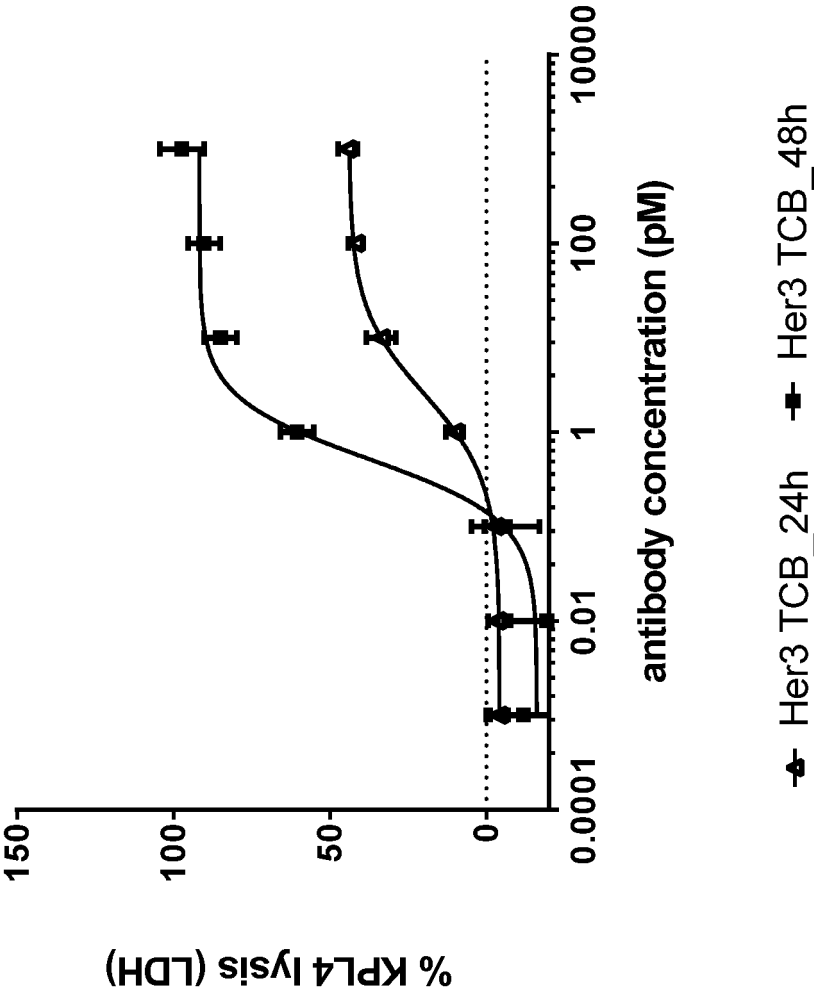


Figure 32

69/73

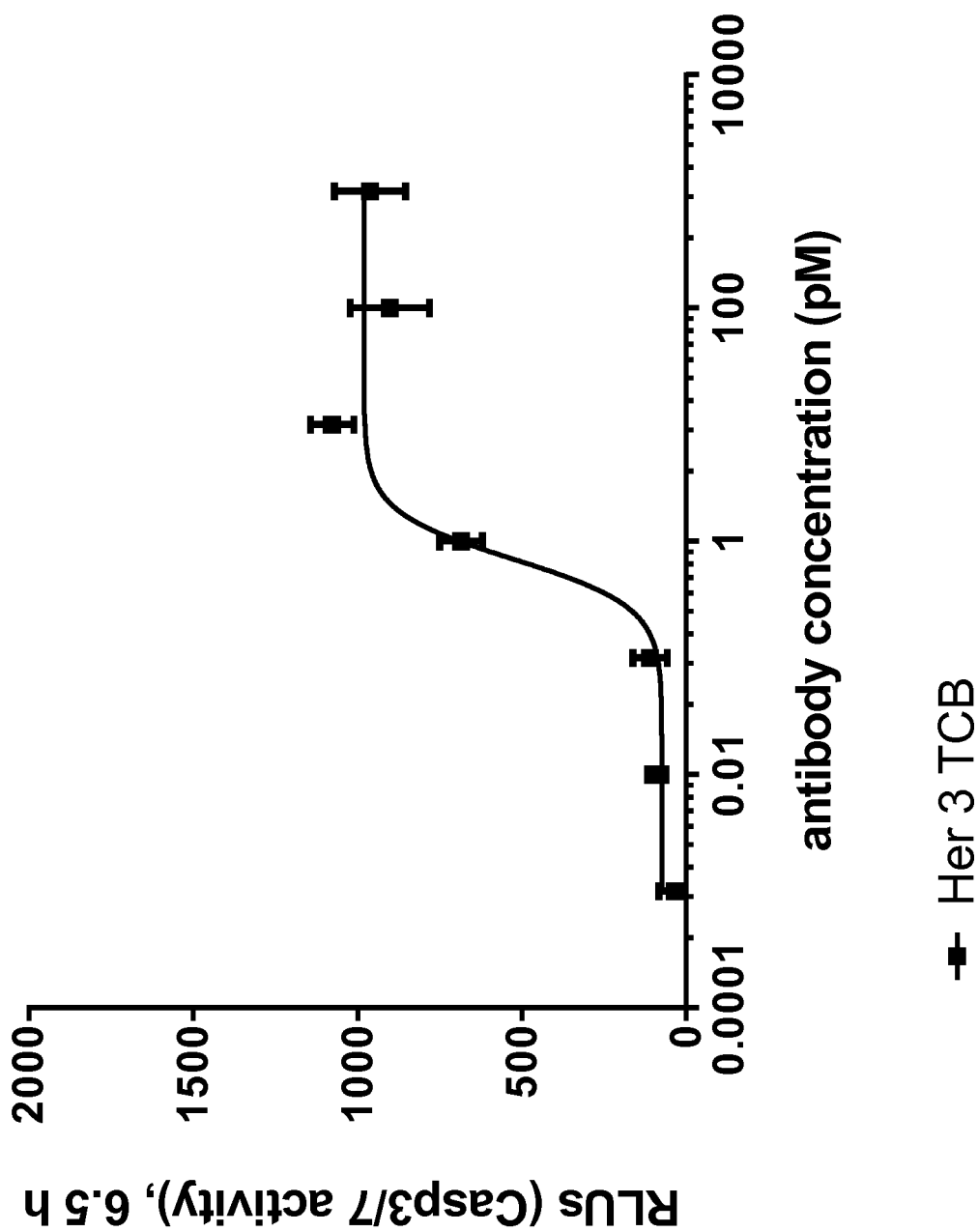


Figure 33

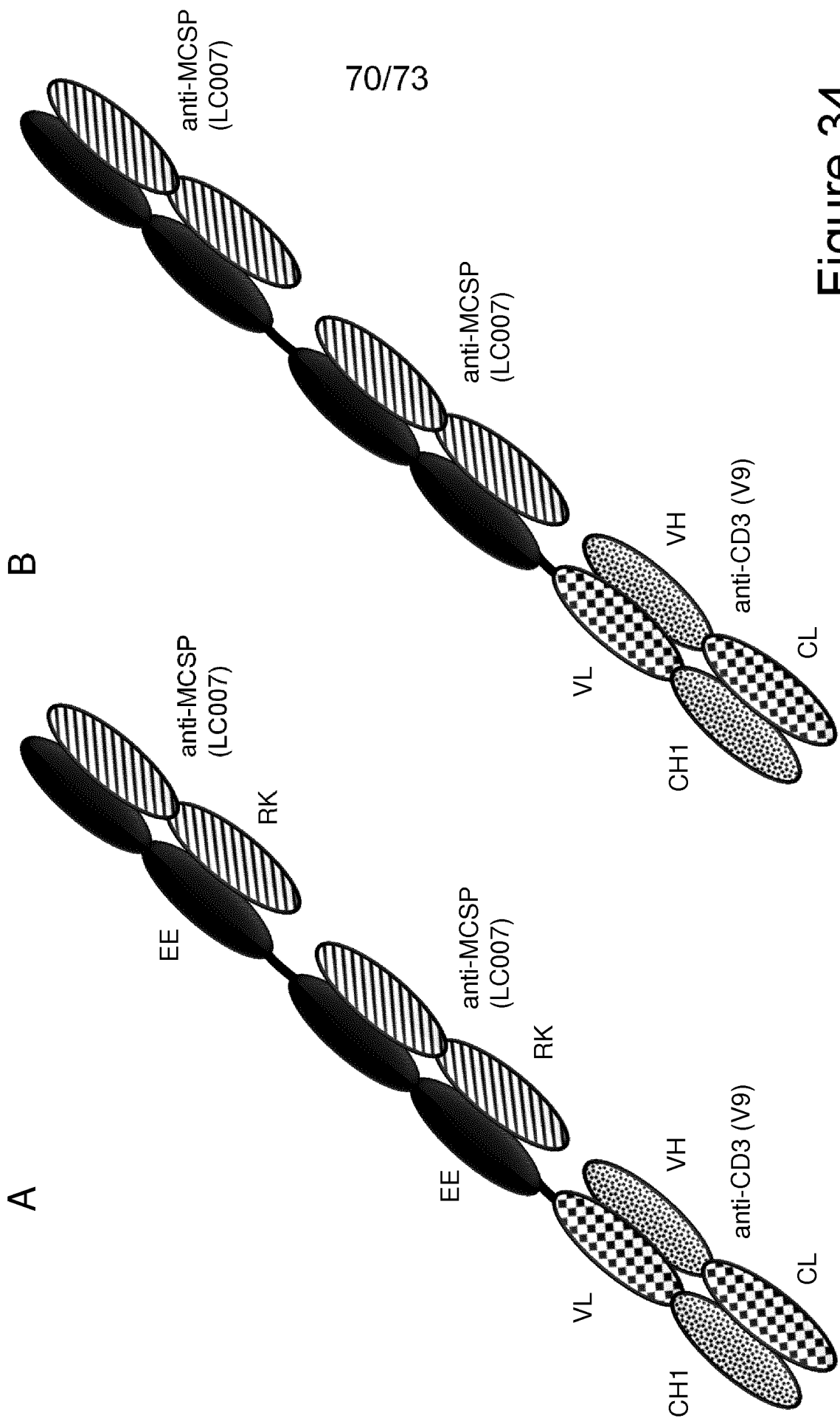
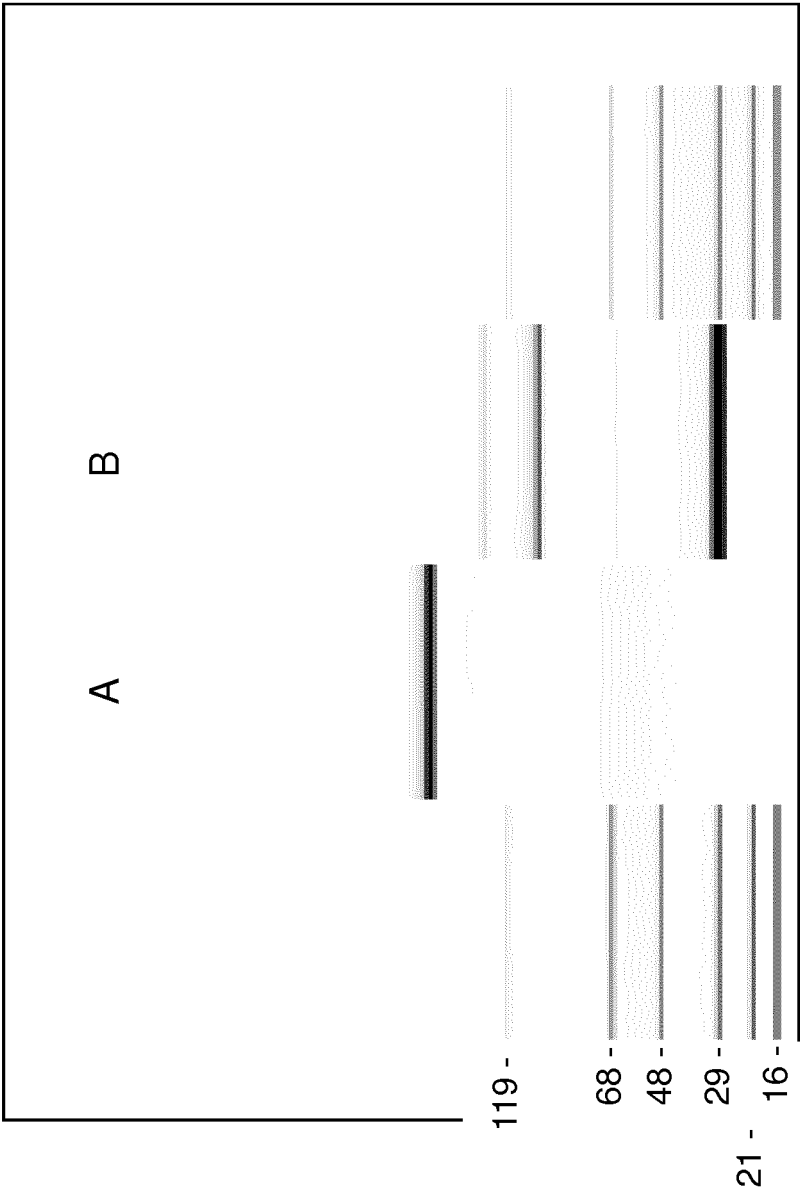


Figure 34



71/73

Figure 35

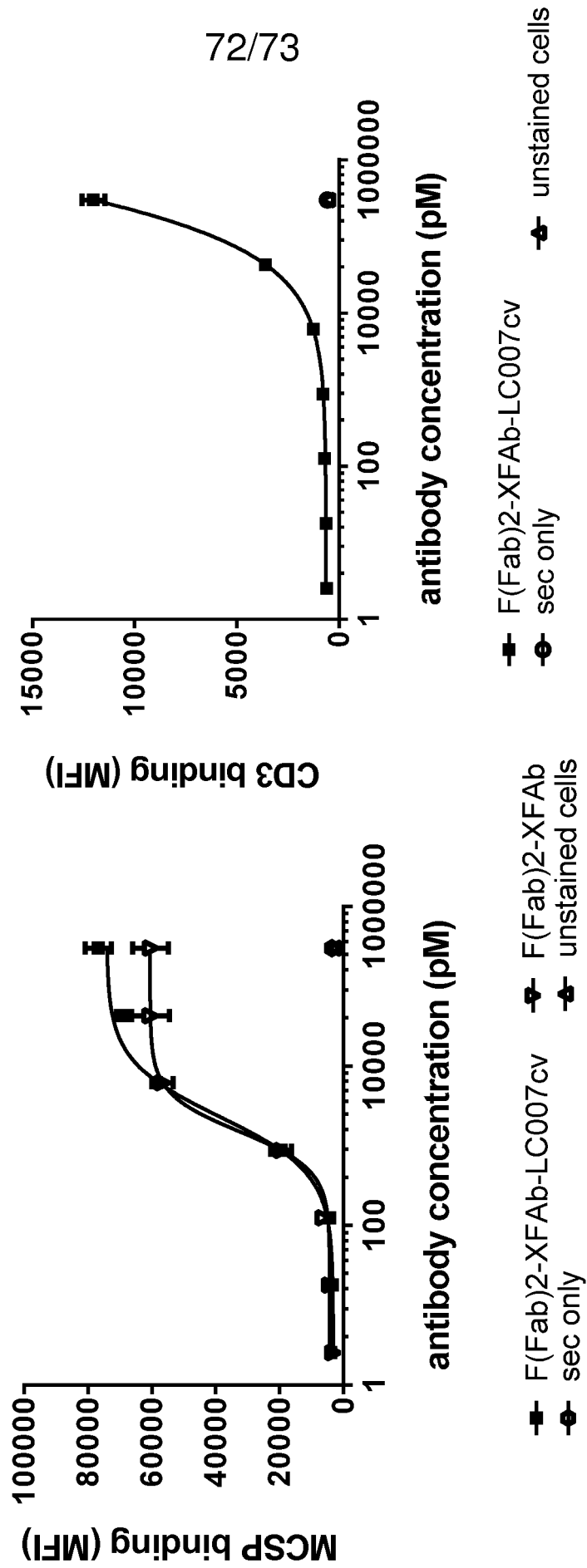


Figure 36

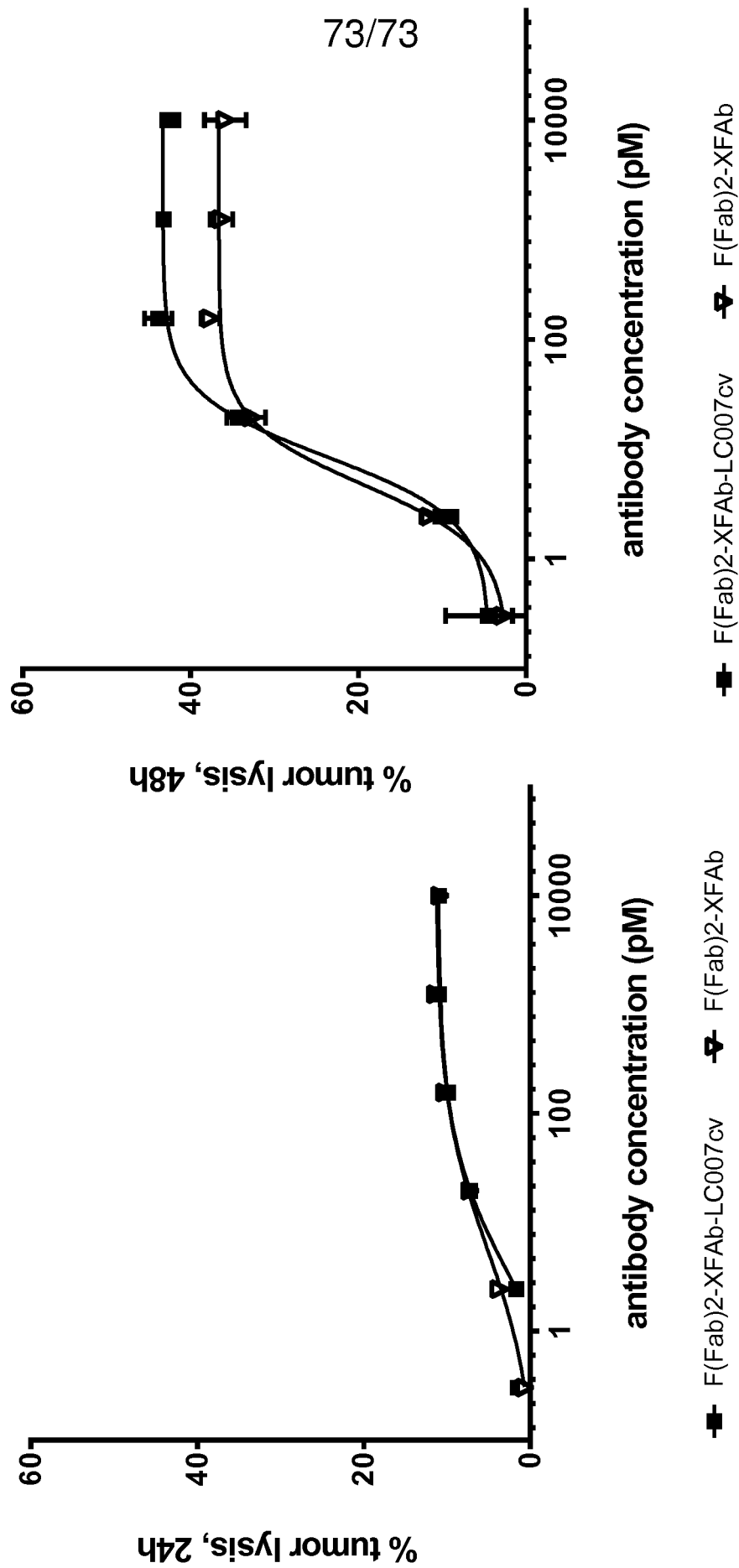


Figure 37