

Figure 1

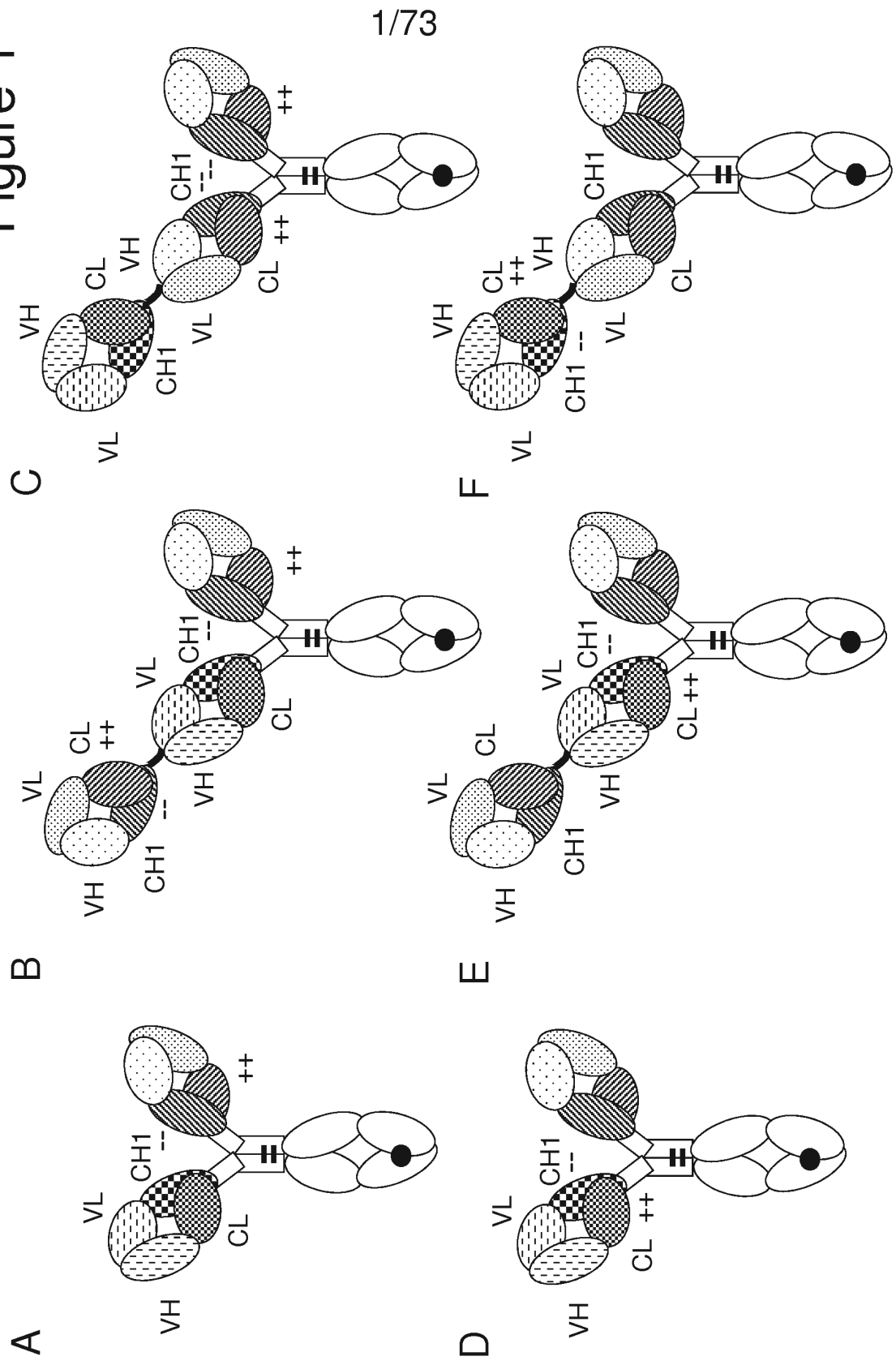


Figure 1

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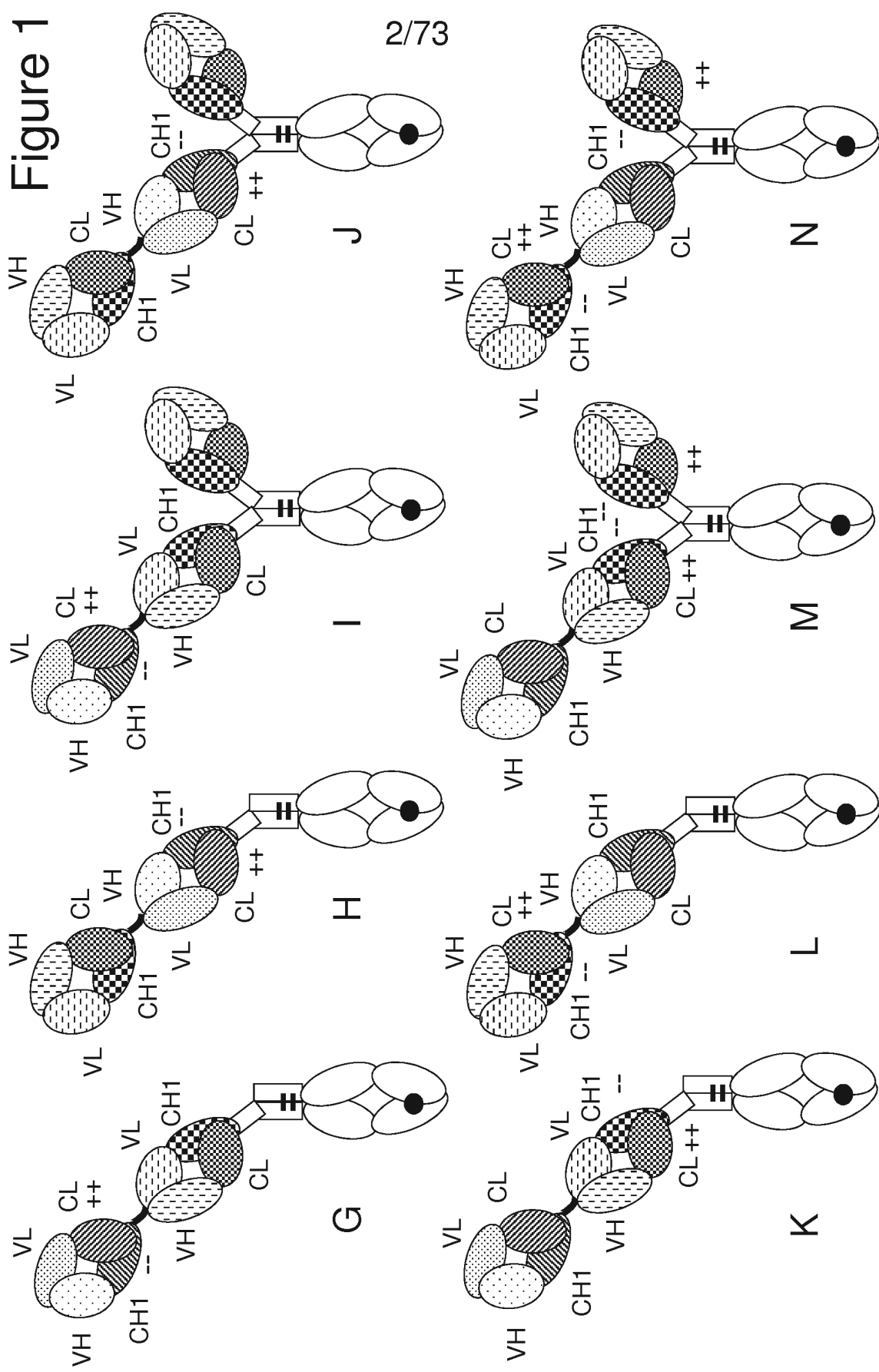


Figure 1

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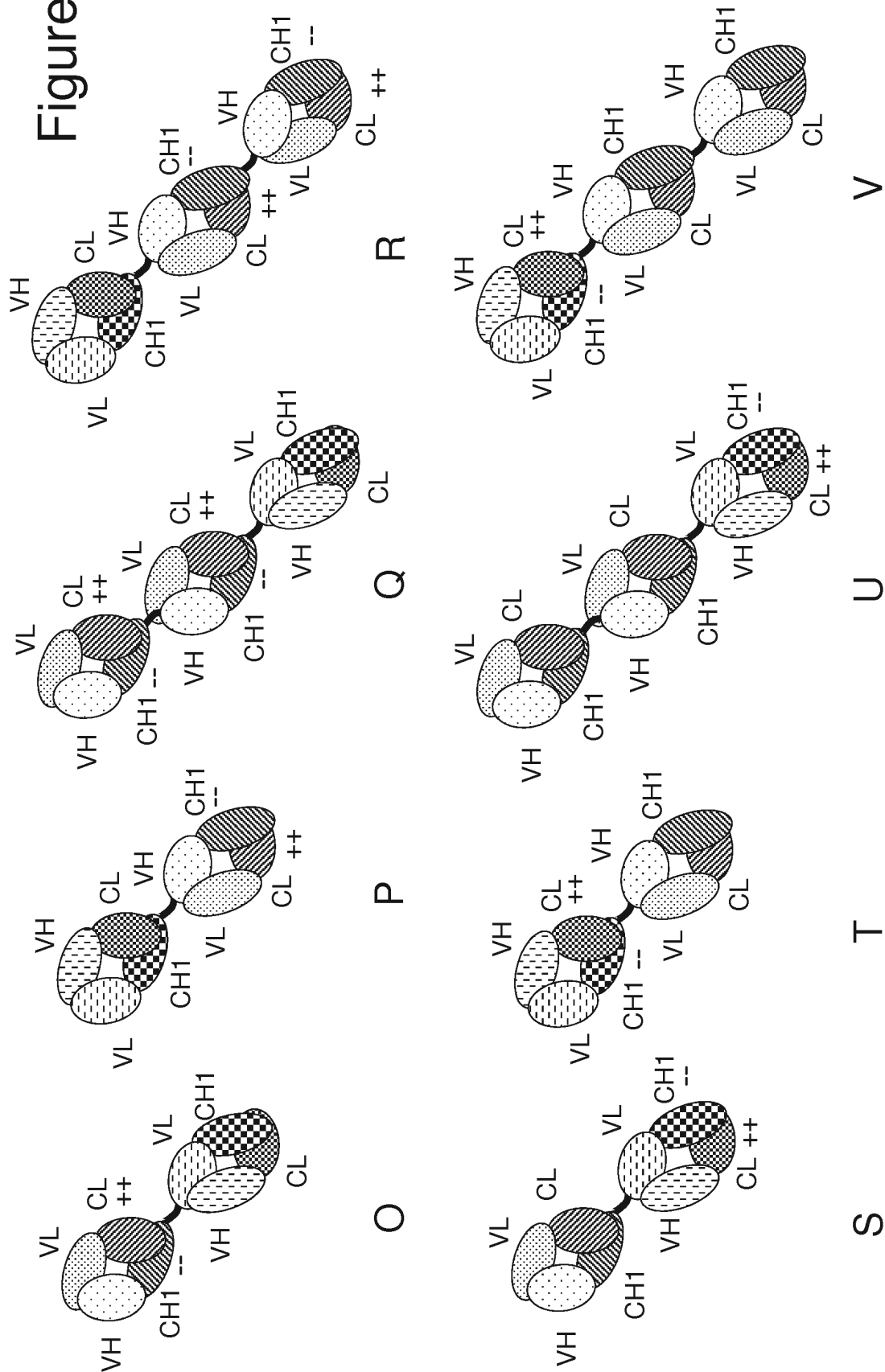
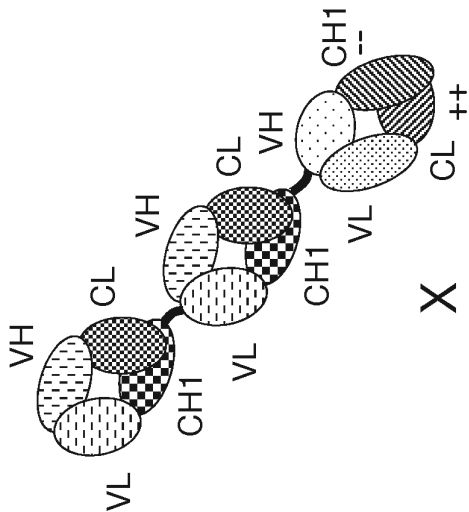
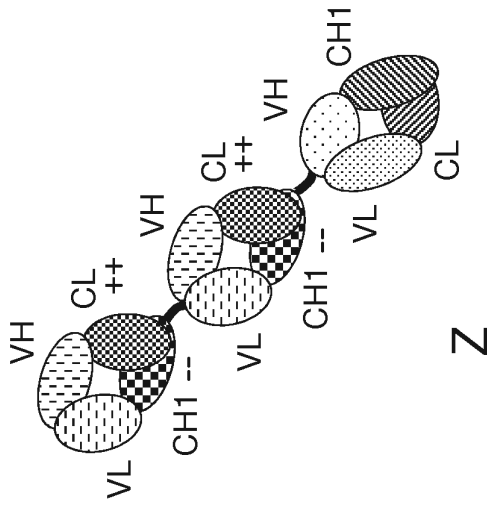
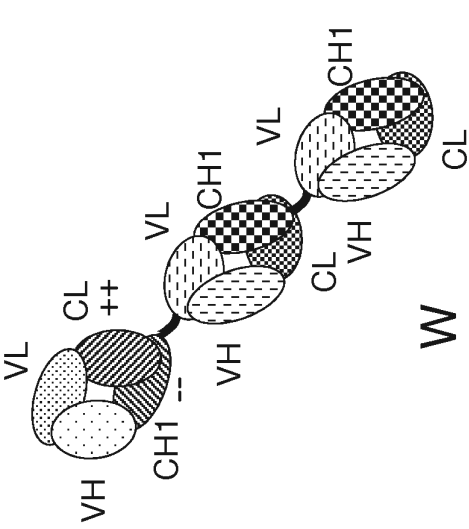
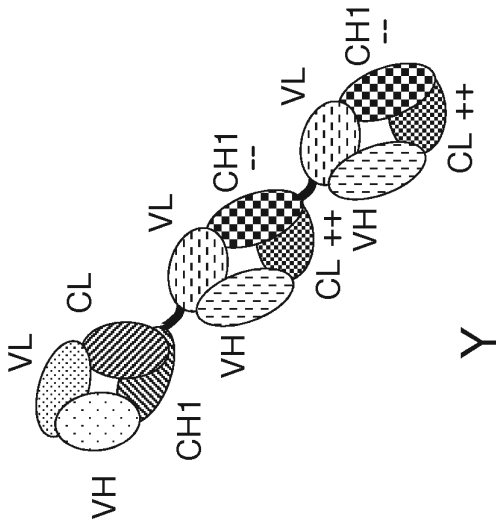


Figure 1



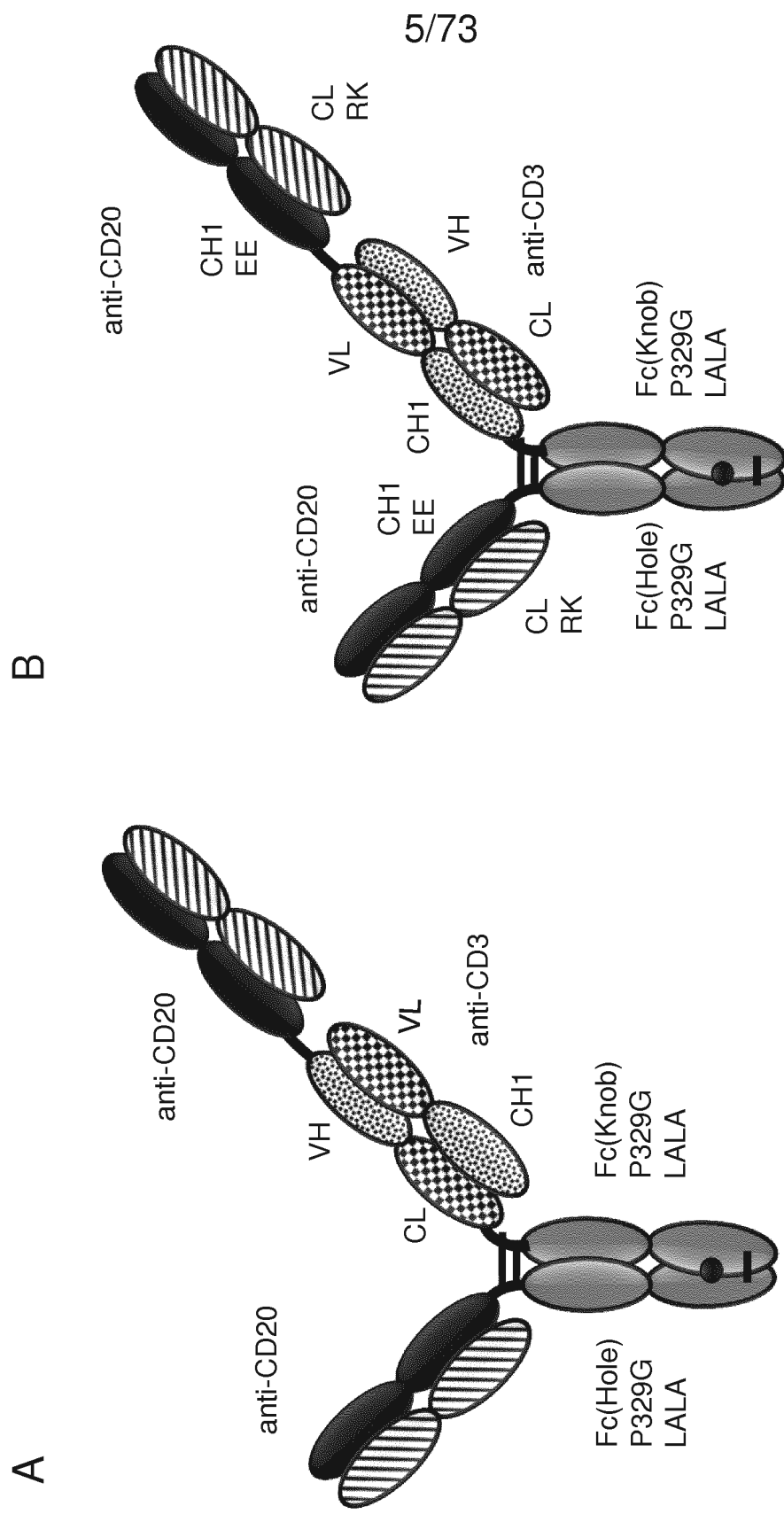
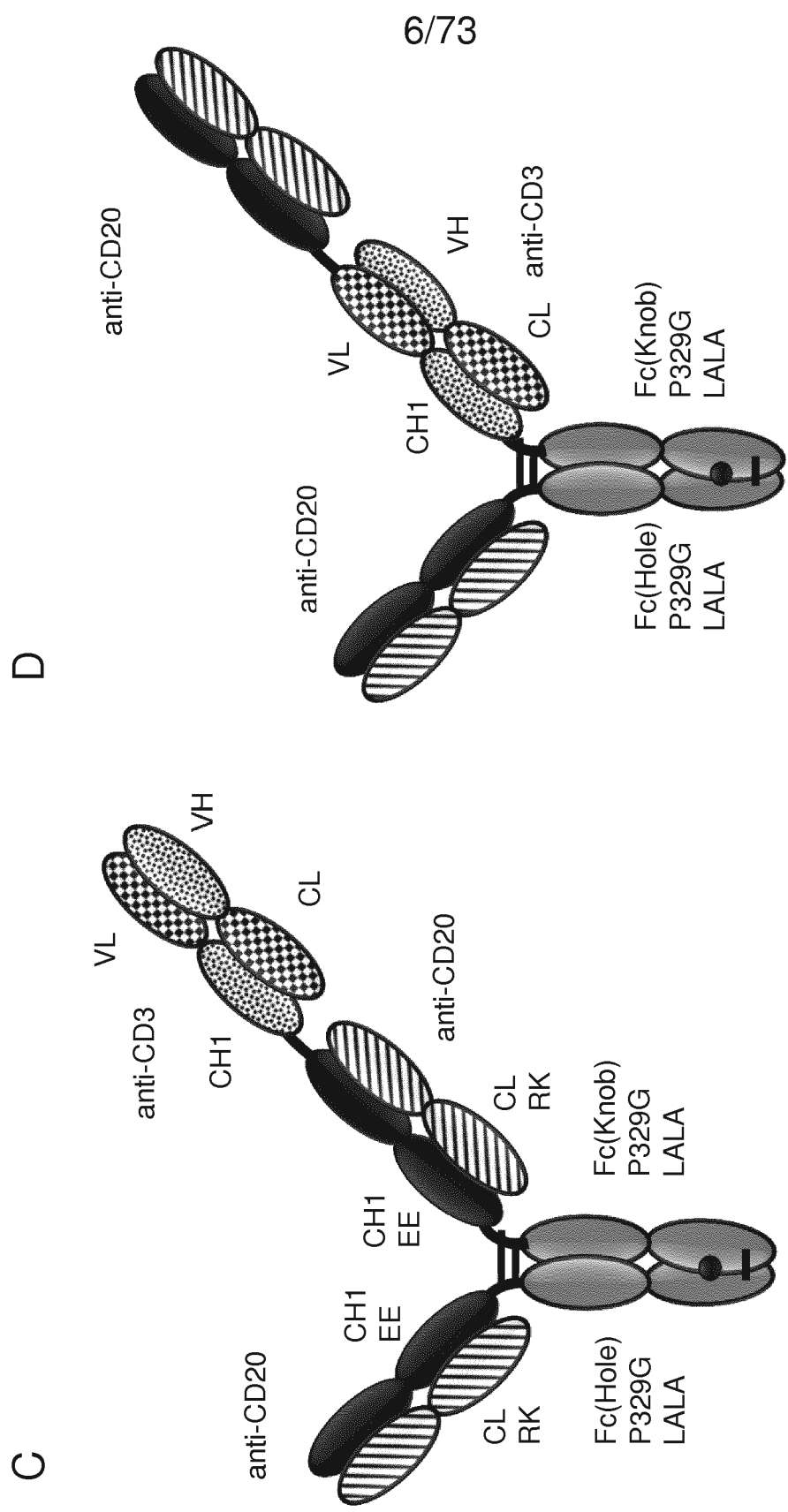


Figure 2



D

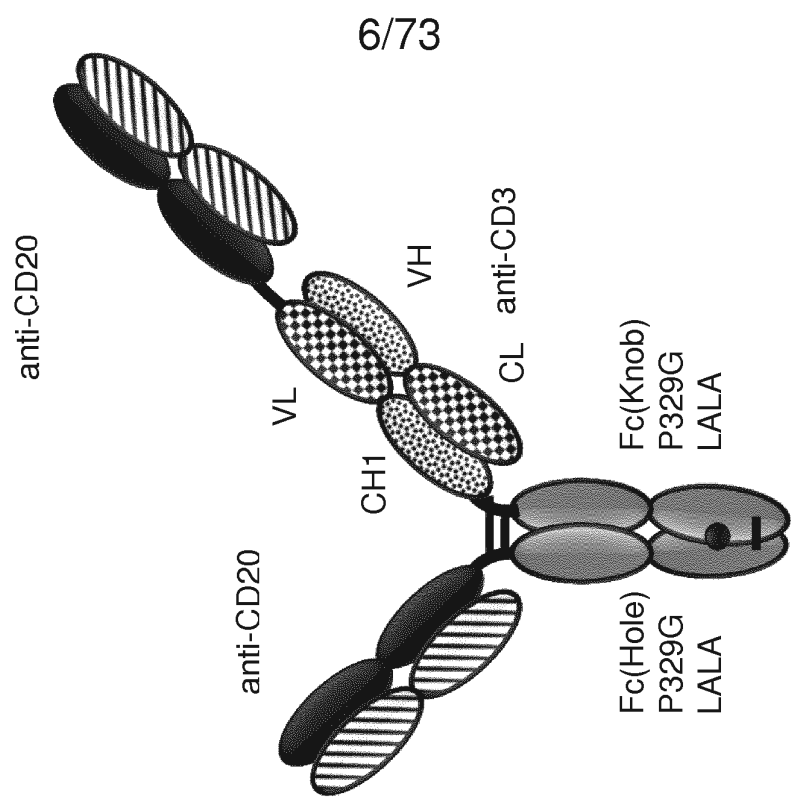
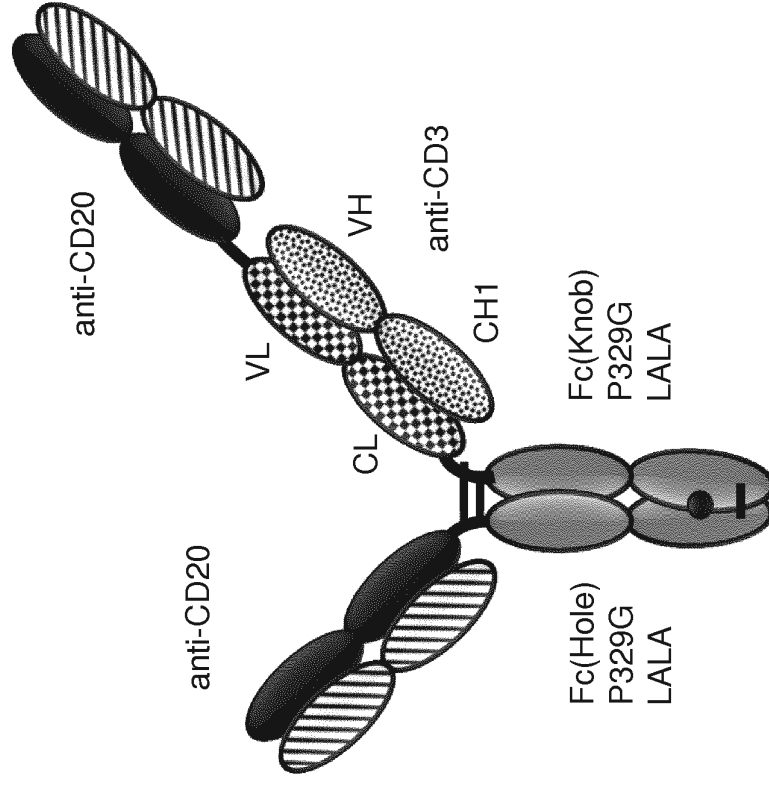


Figure 2

E



F

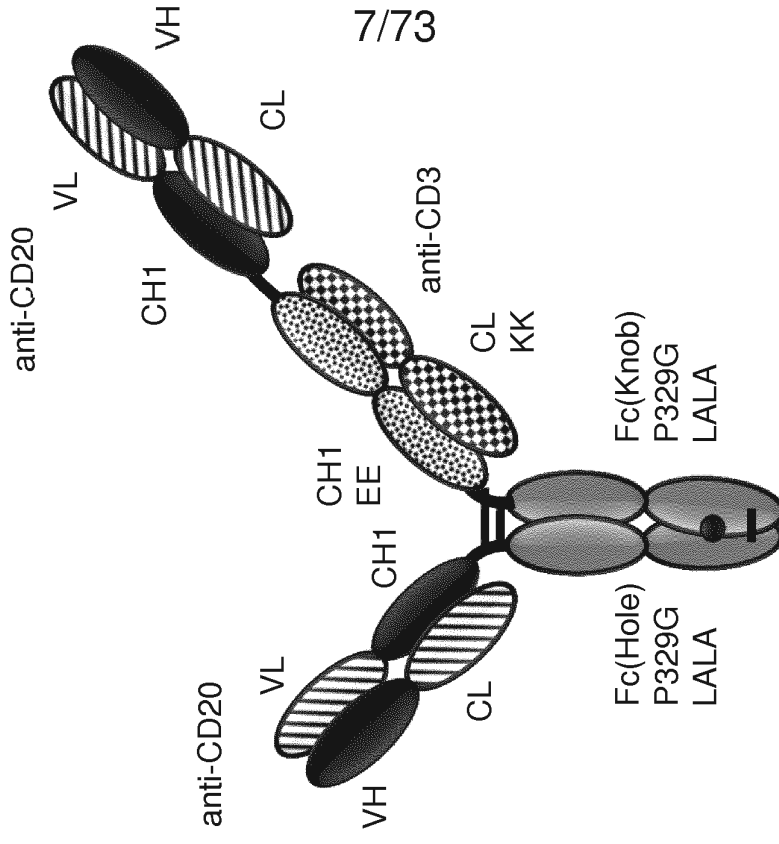
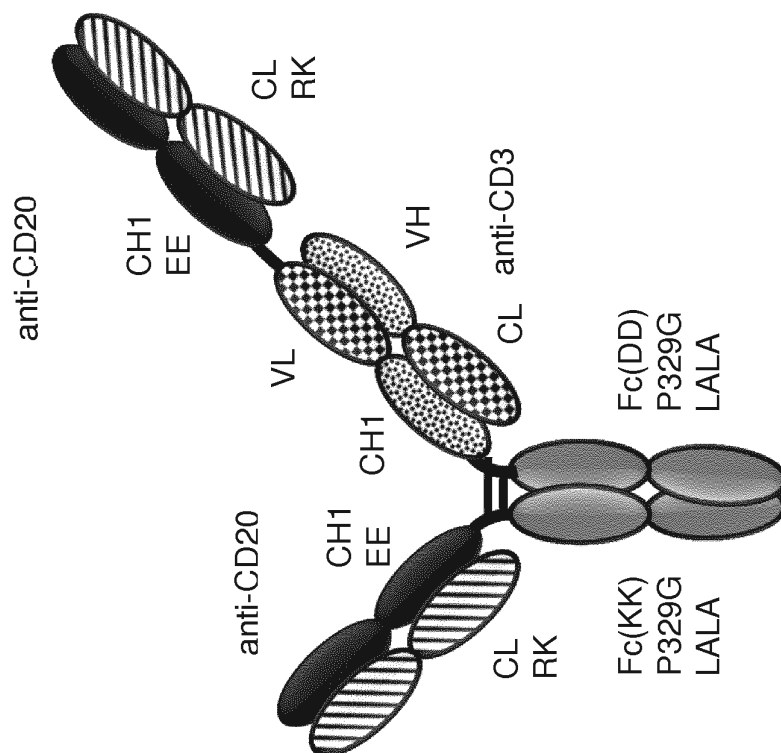


Figure 2



I

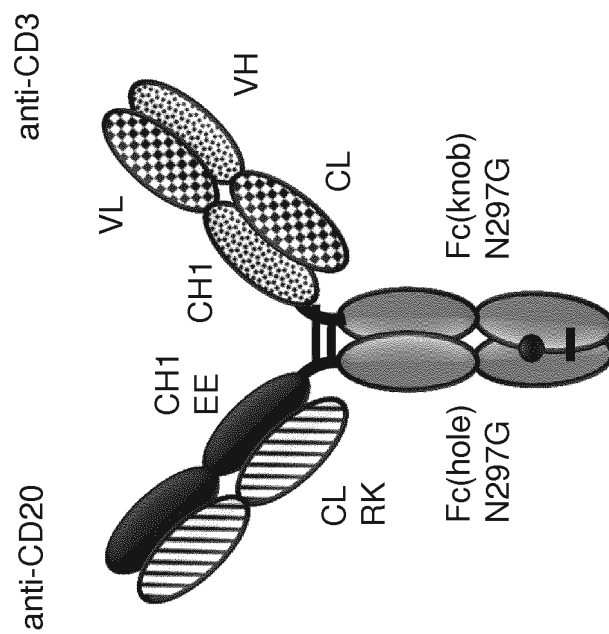


Figure 2

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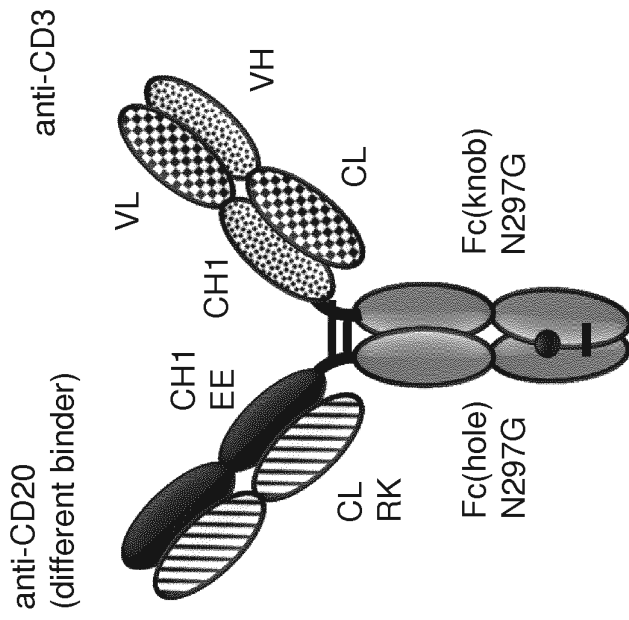


Figure 2

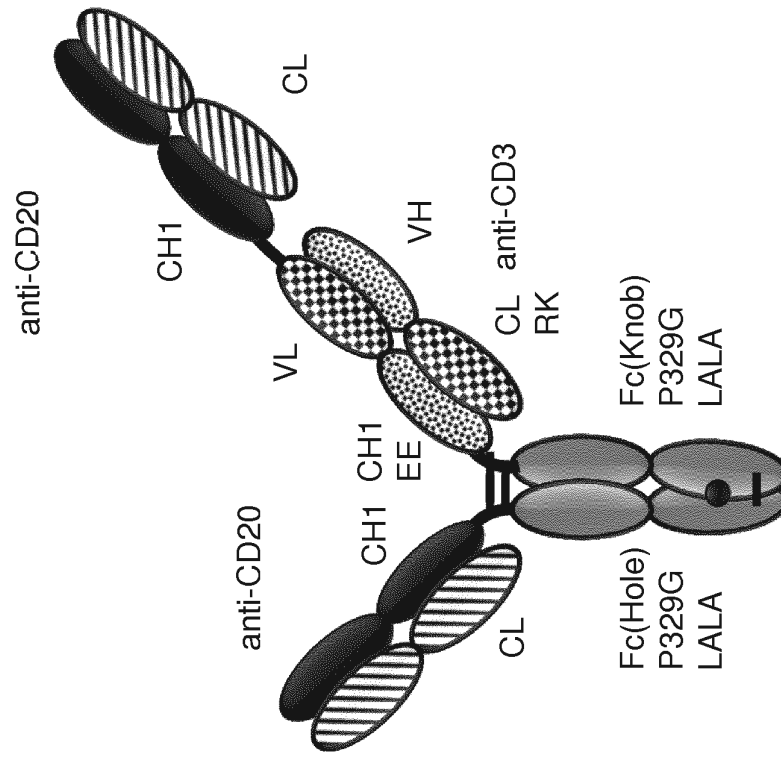
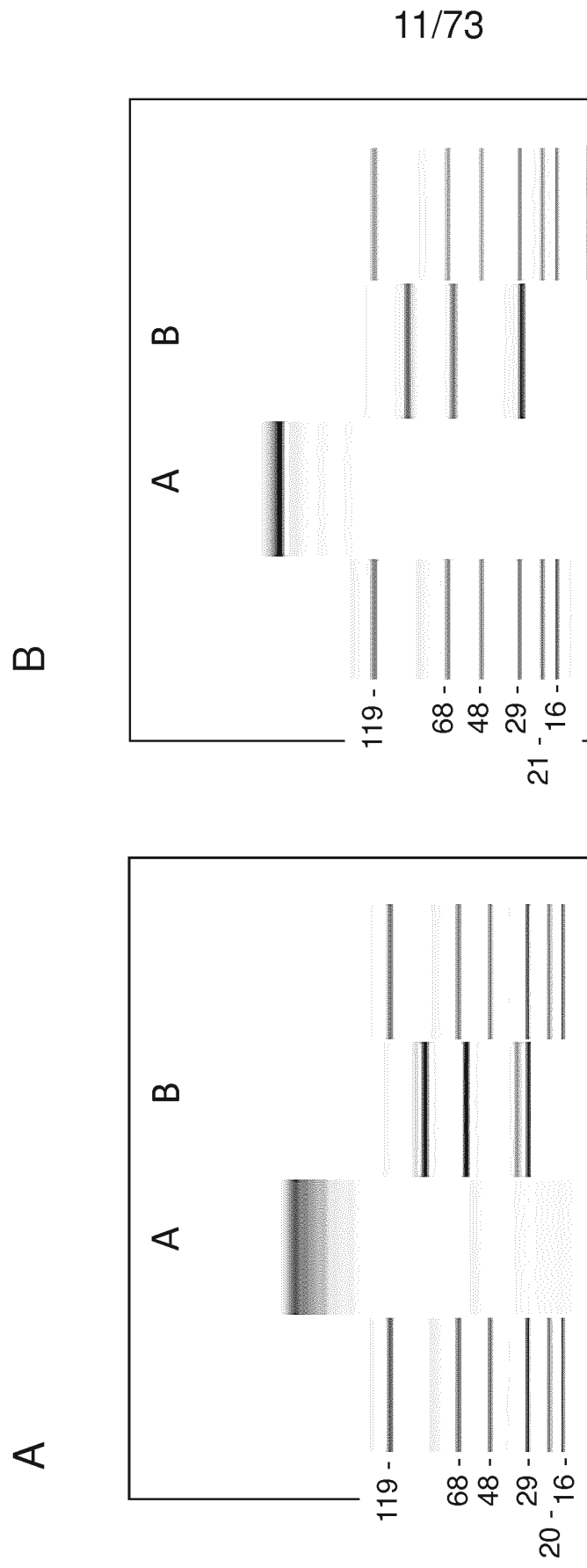


Figure 2



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Figure 3

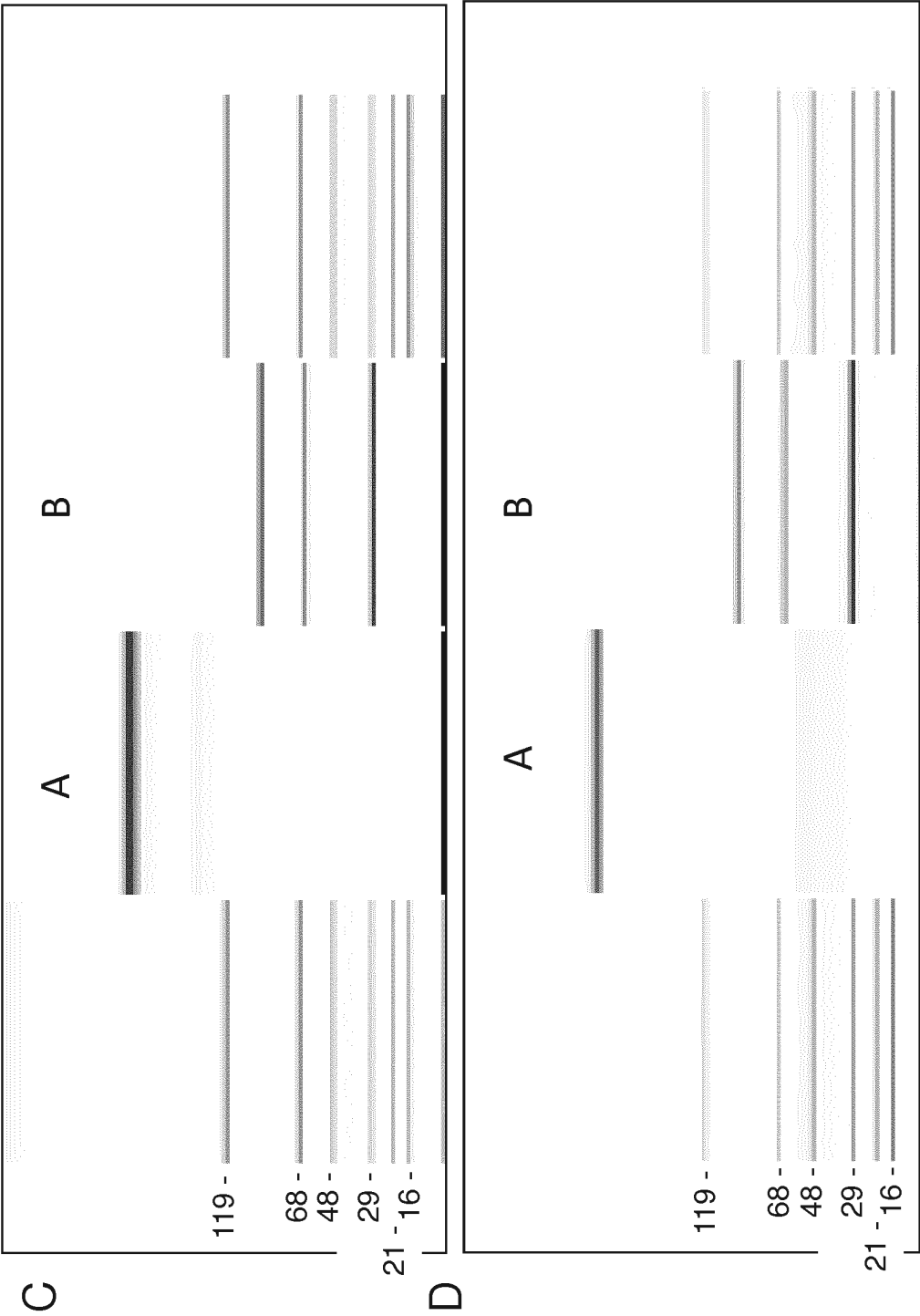


Figure 3

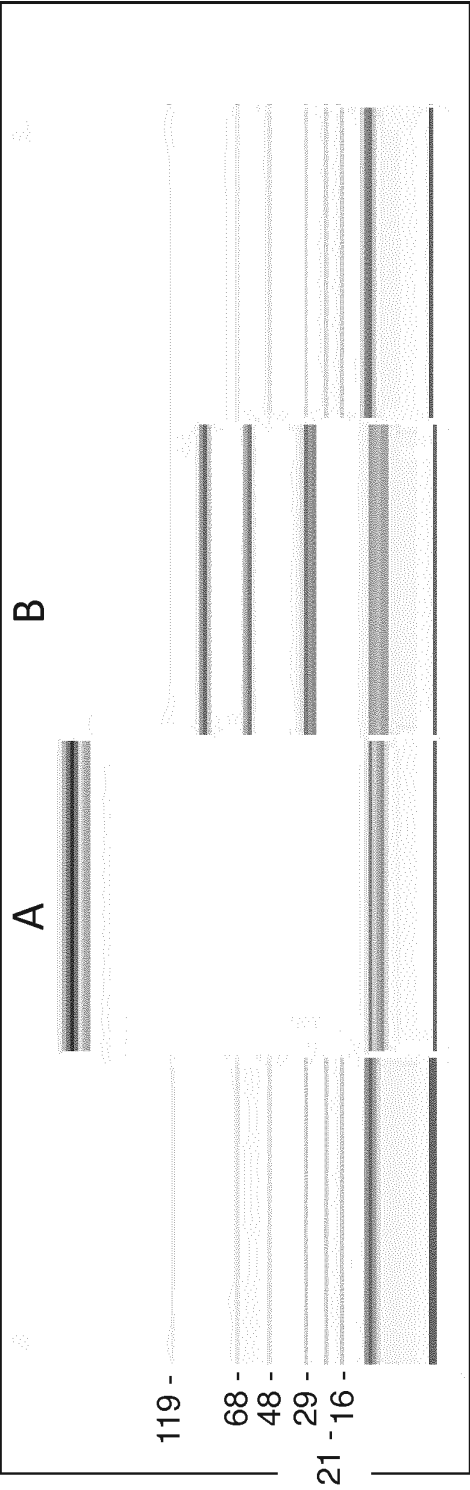


Figure 3

G

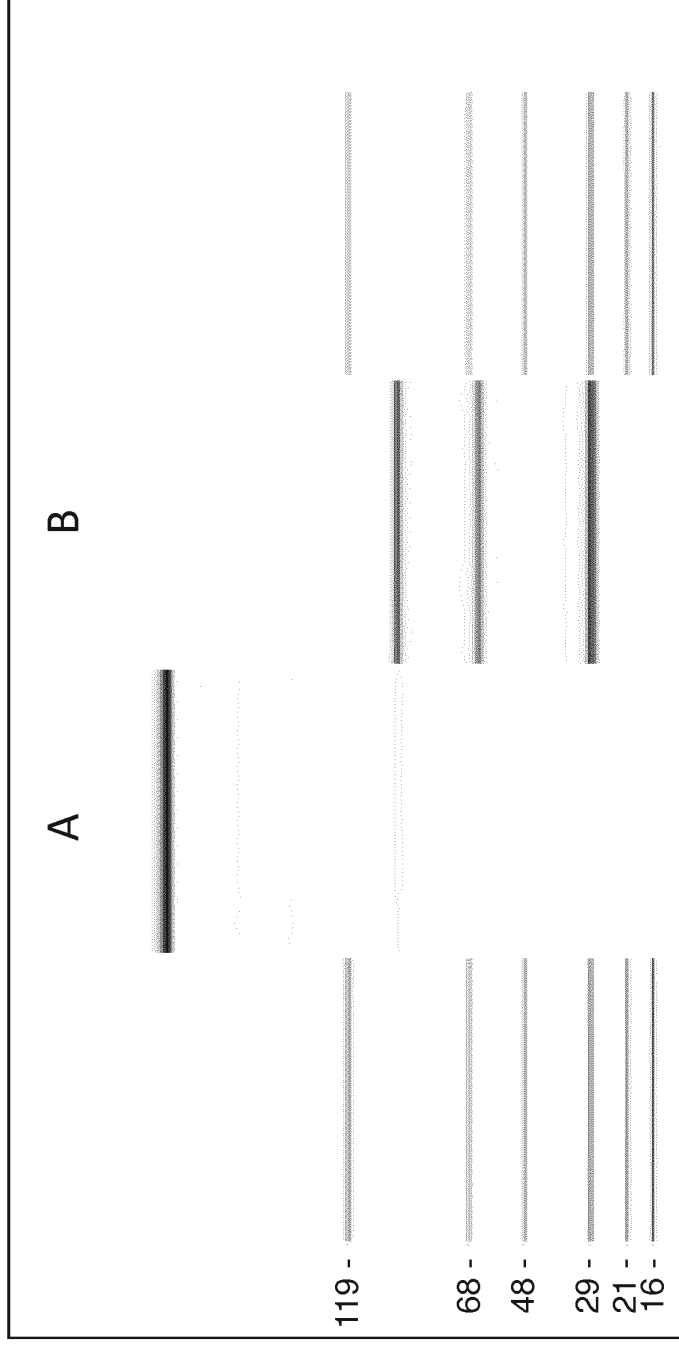
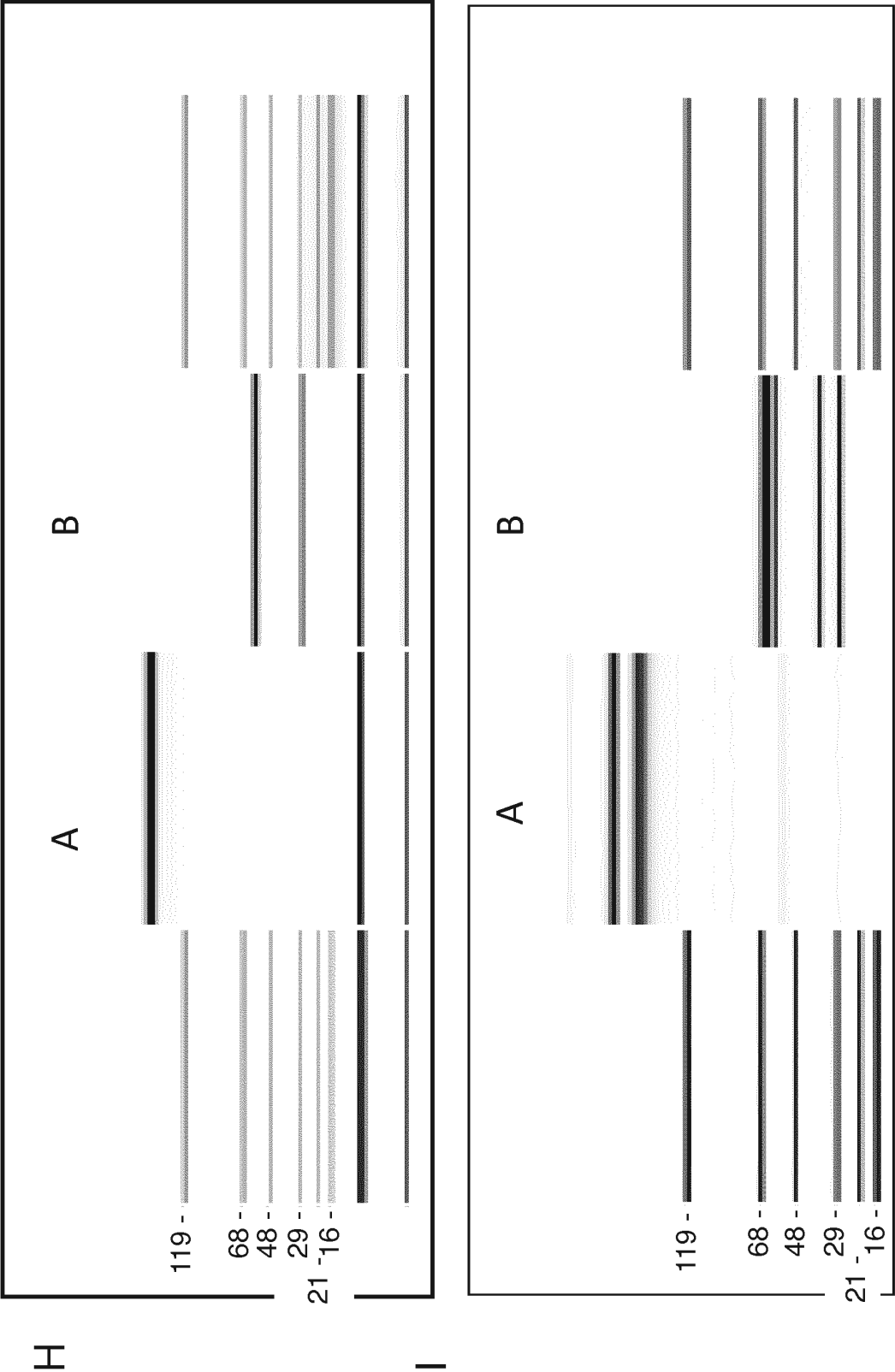
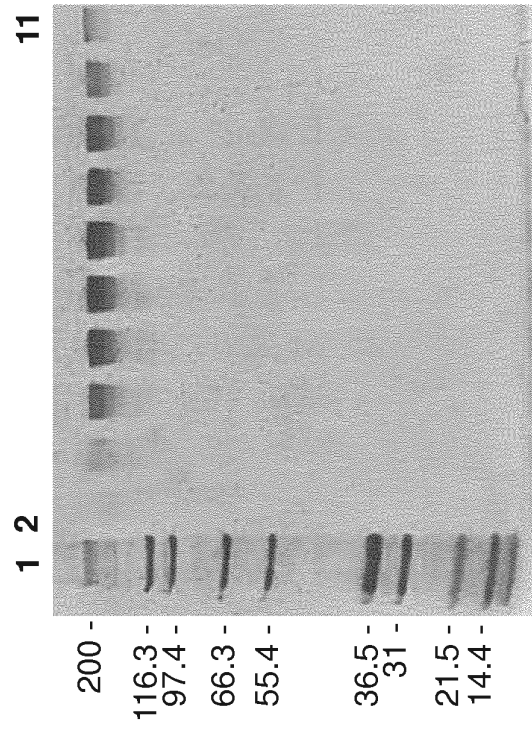


Figure 3



J



K

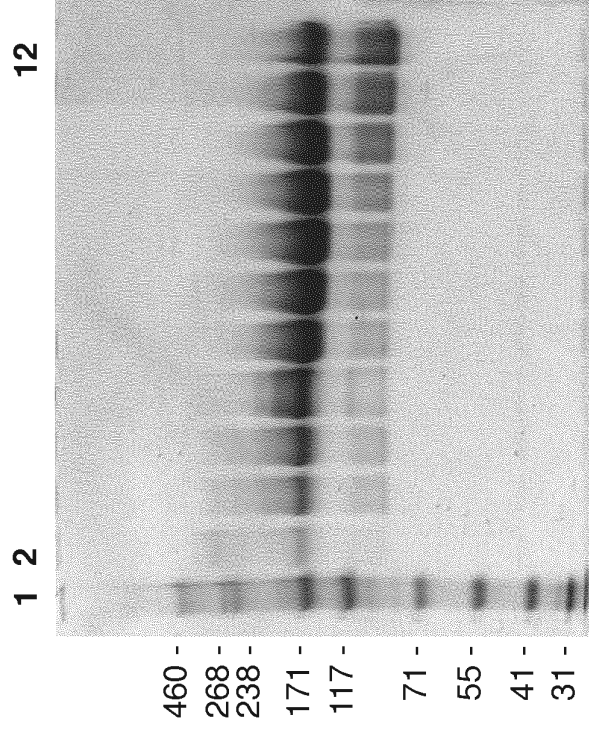
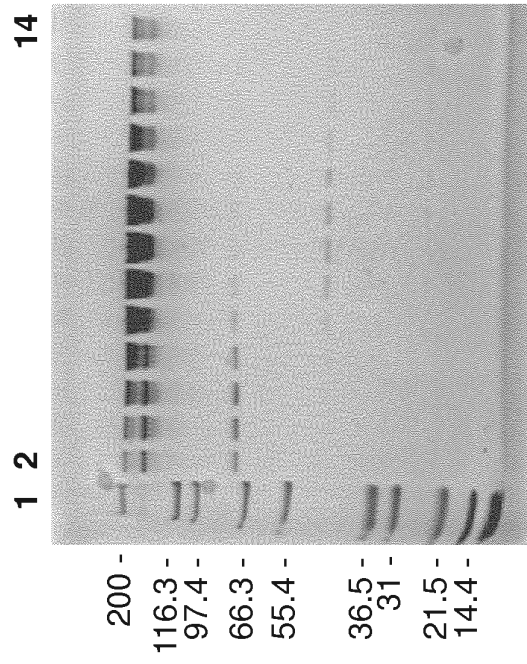


Figure 3

L



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Figure 3

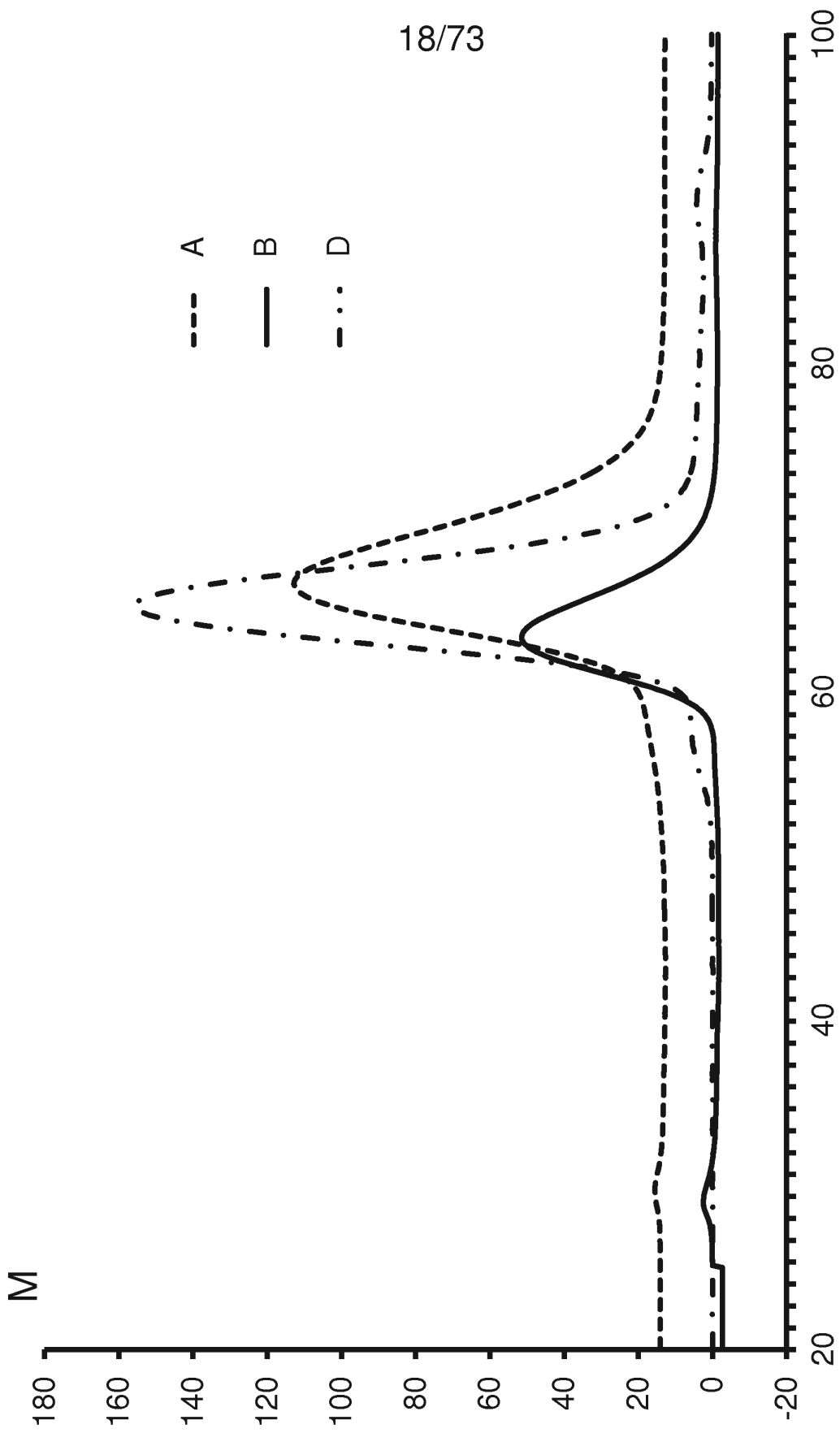
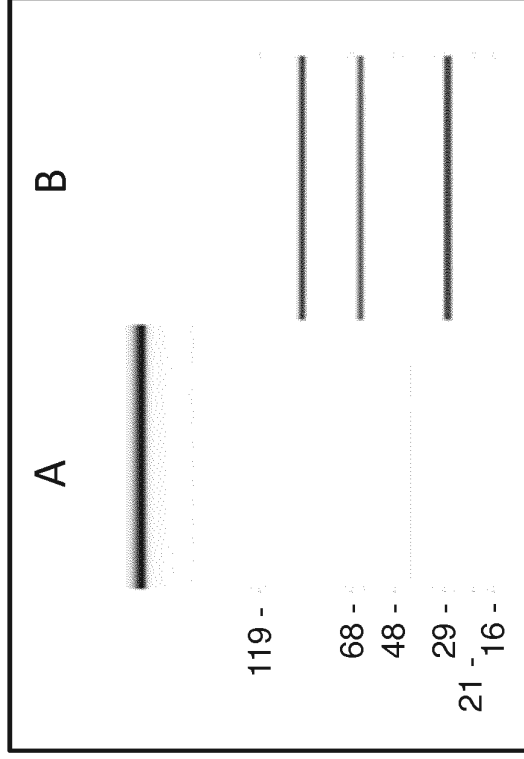


Figure 3

N



O

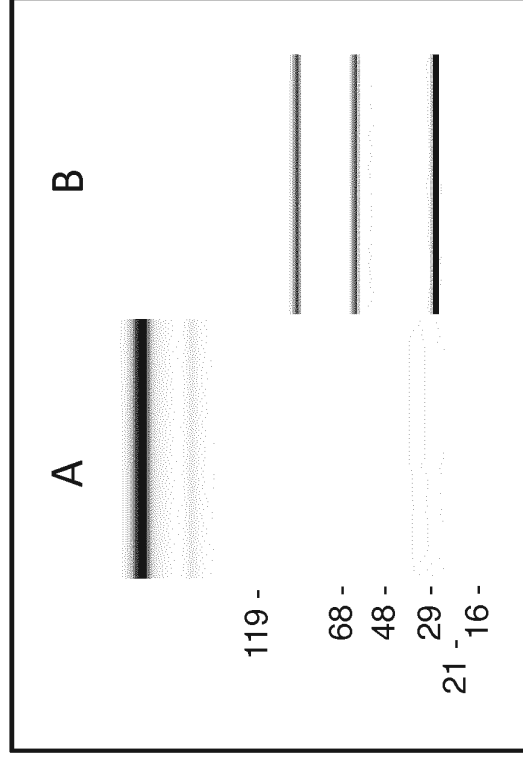
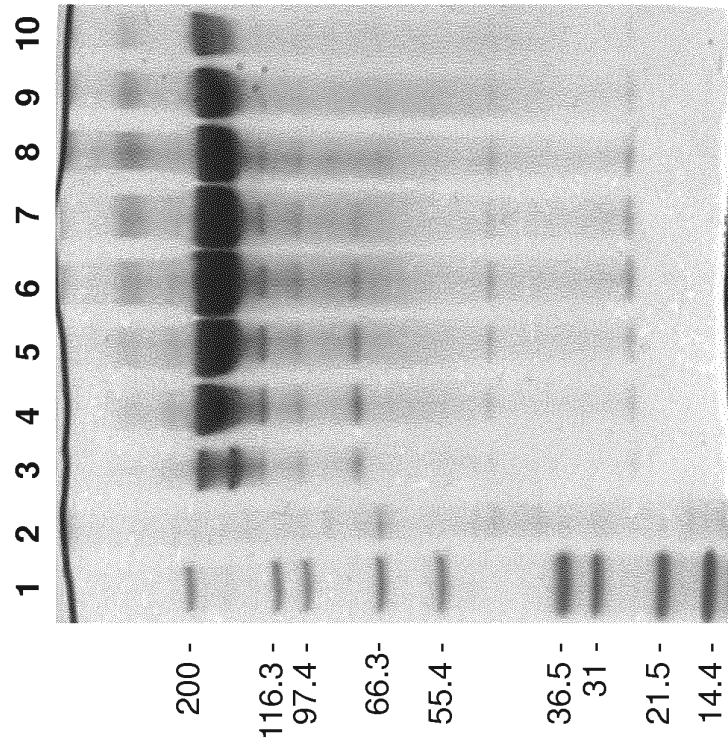


Figure 3

P



Q

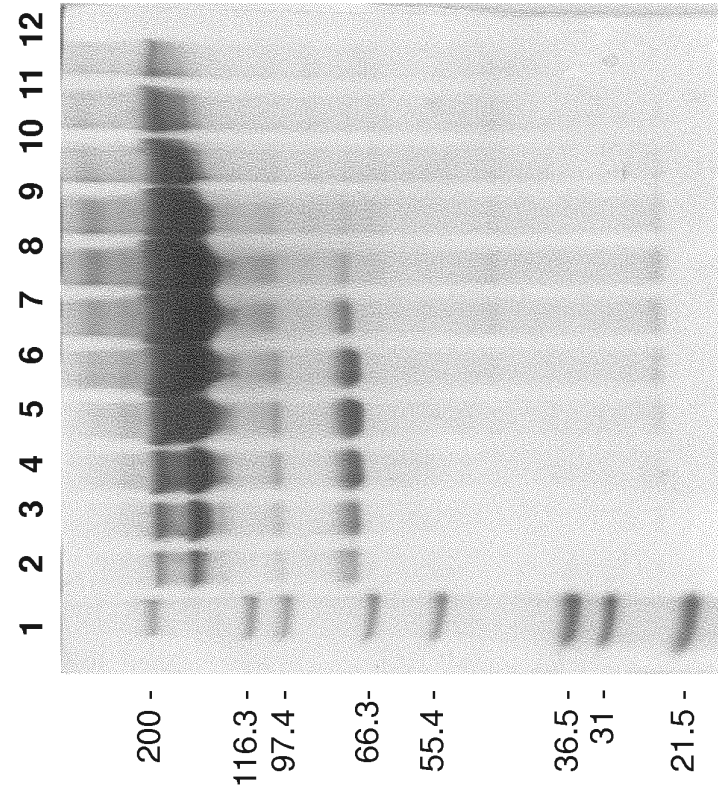


Figure 3

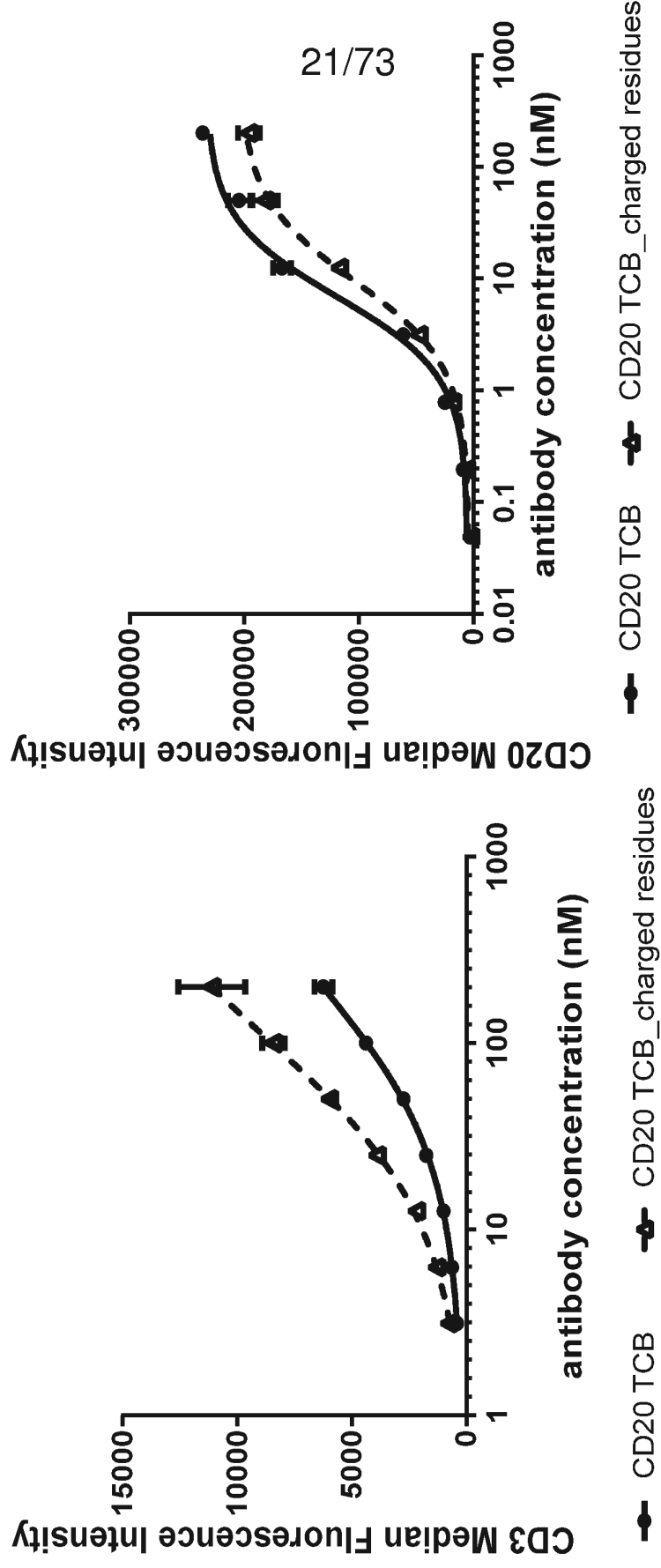


Figure 4

Nalm-6

Z-138

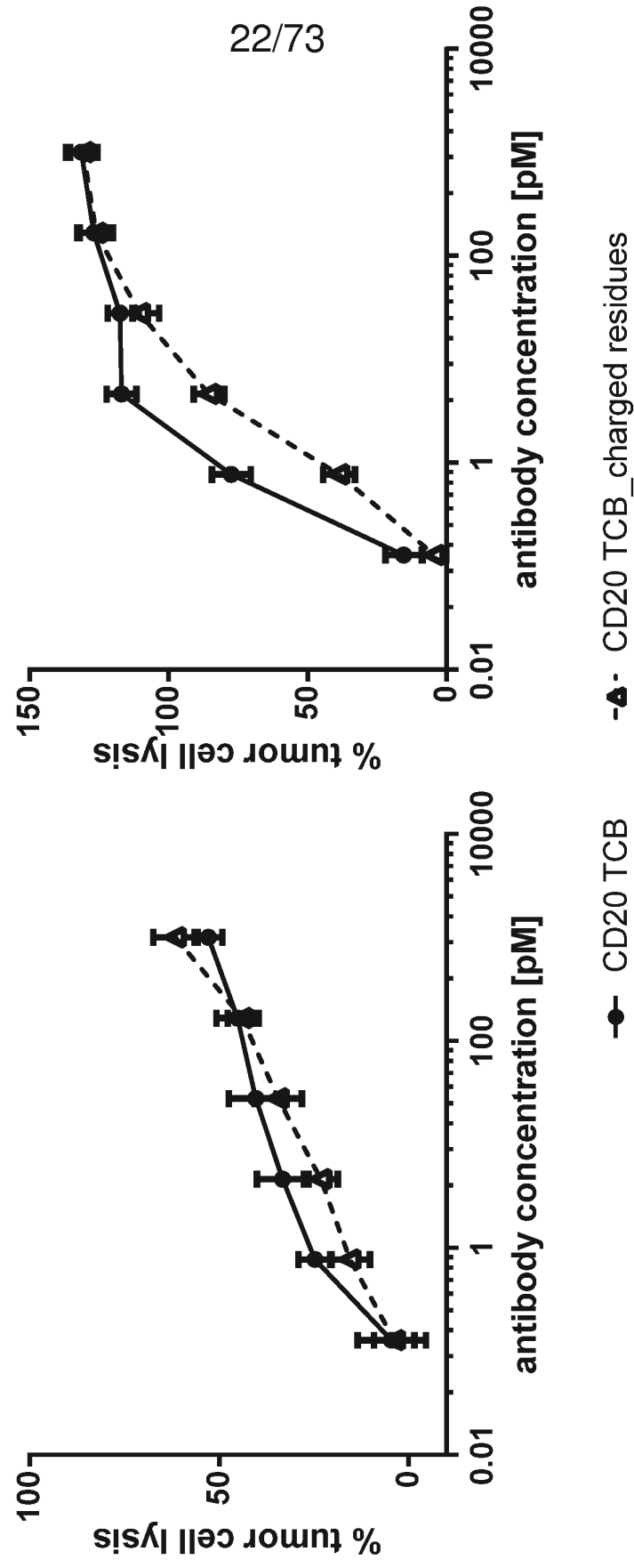
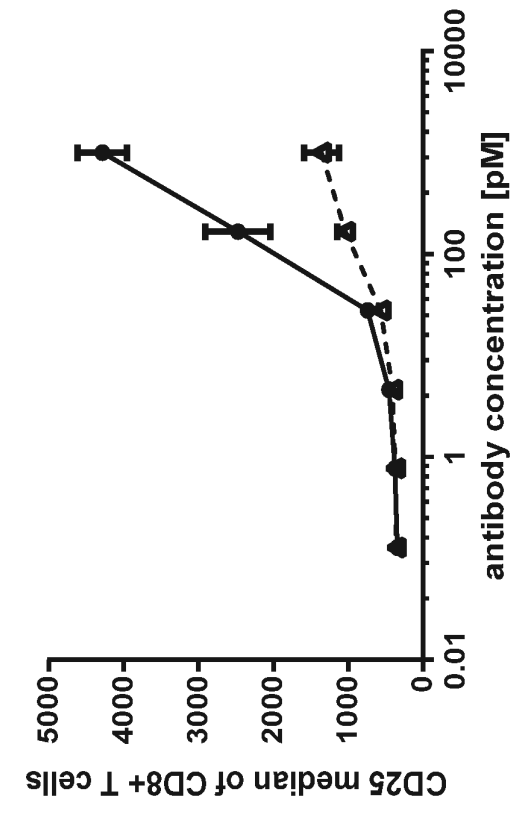
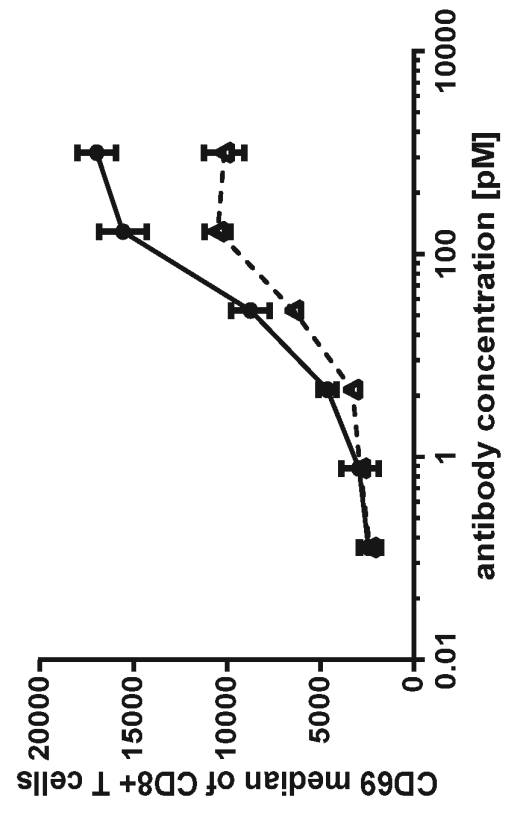


Figure 5

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● CD20 TCB

▲ CD20 TCB_charged residues

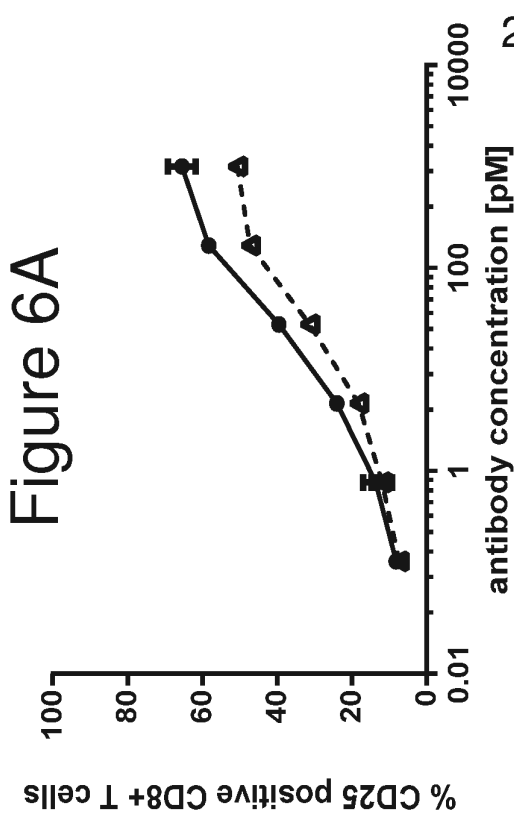
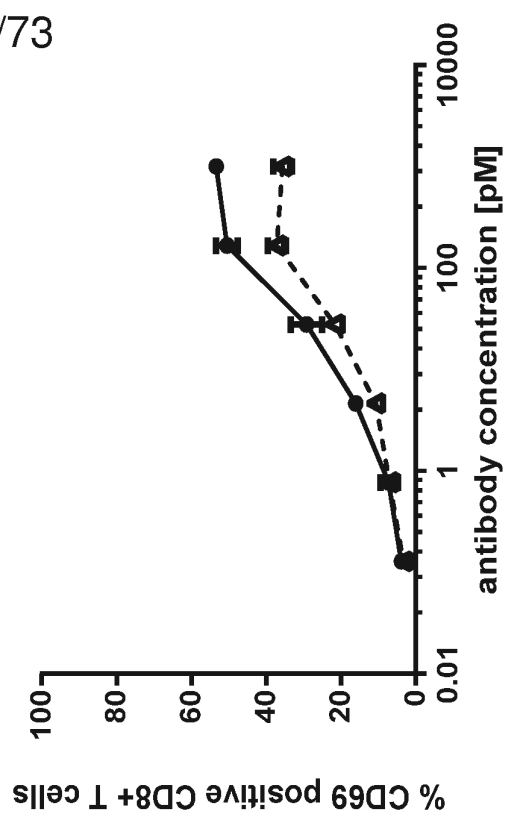
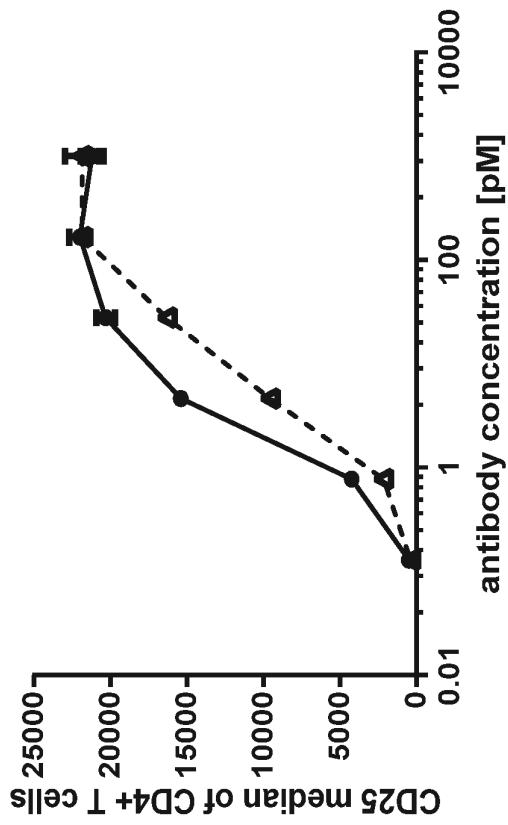
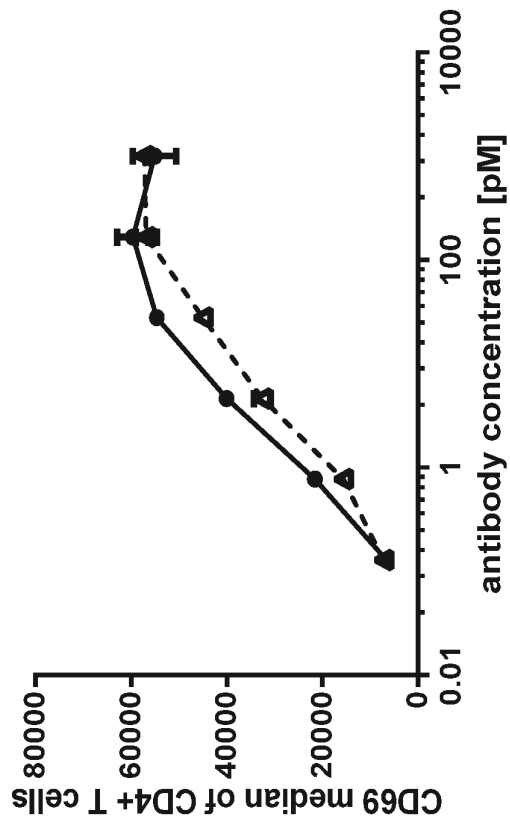


Figure 6A



● CD20 TCB

▲ CD20 TCB_charged residues

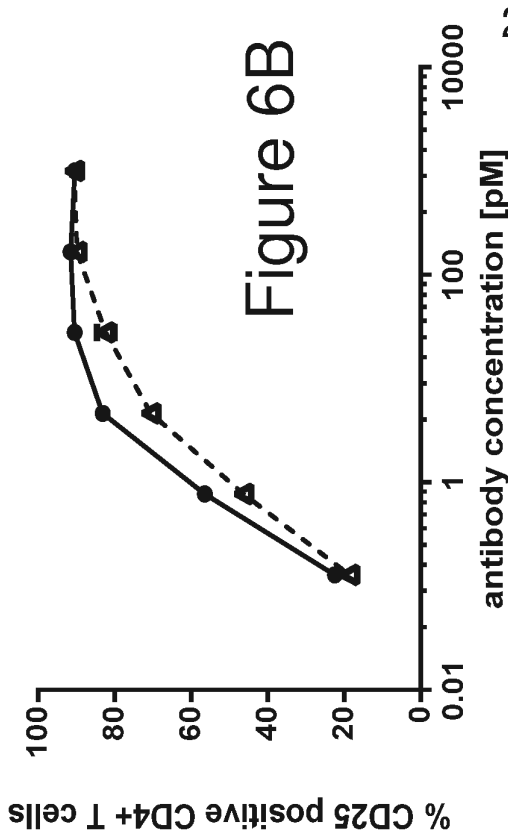
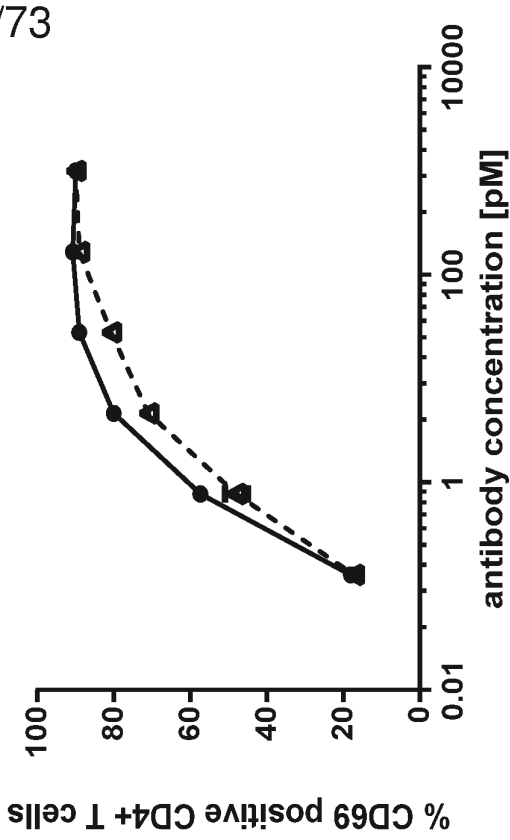
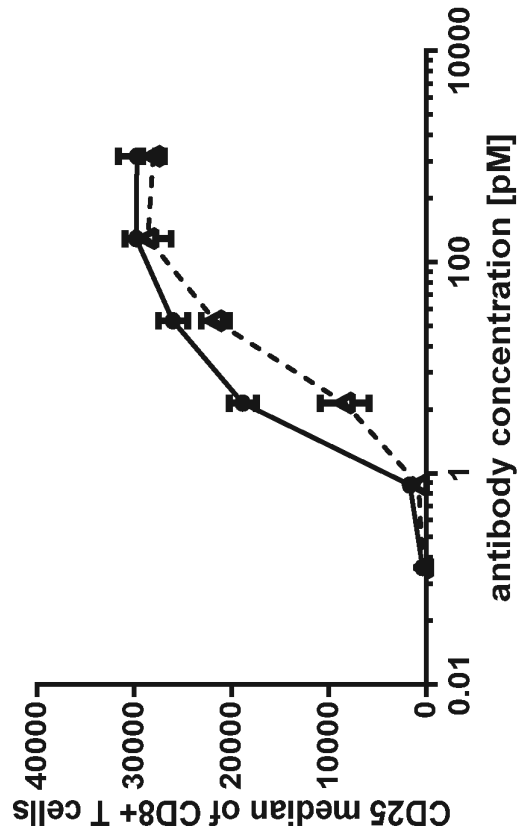
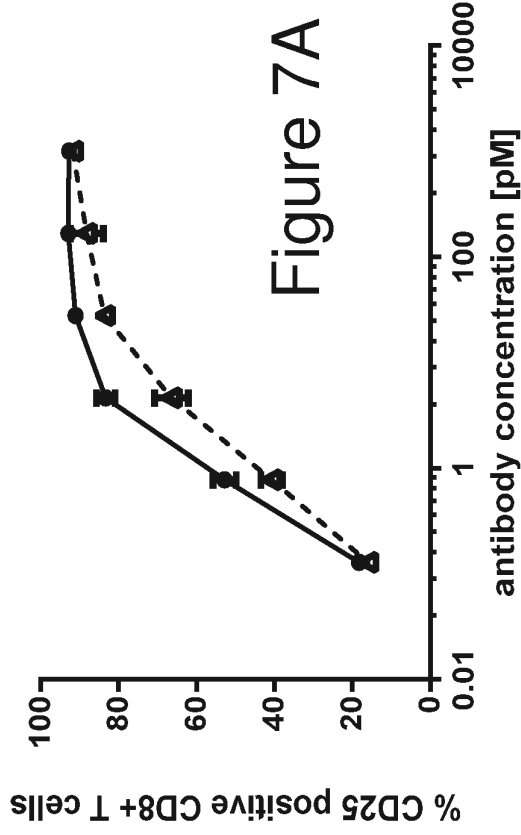
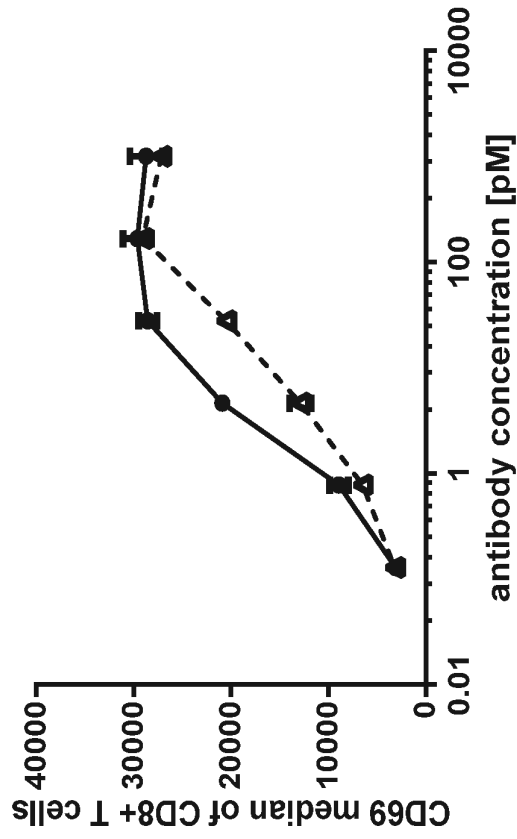
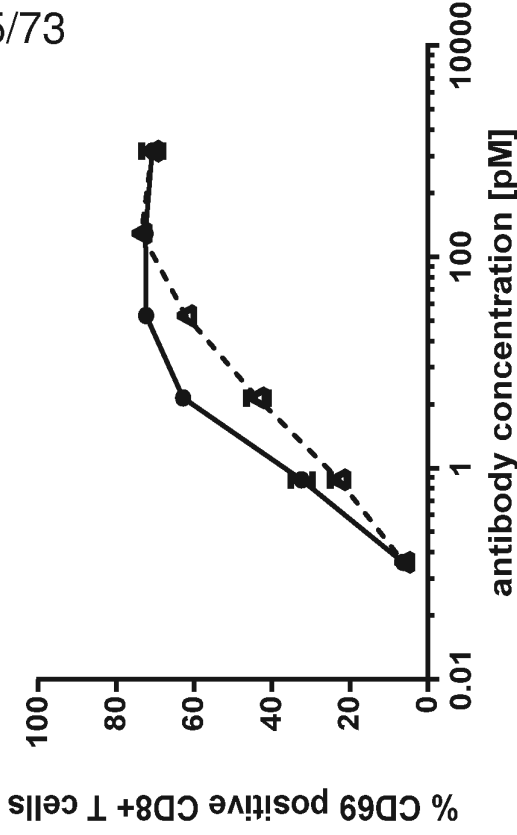


Figure 6B

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● CD20 TCB

▲ CD20 TCB_charged residues

Figure 7A

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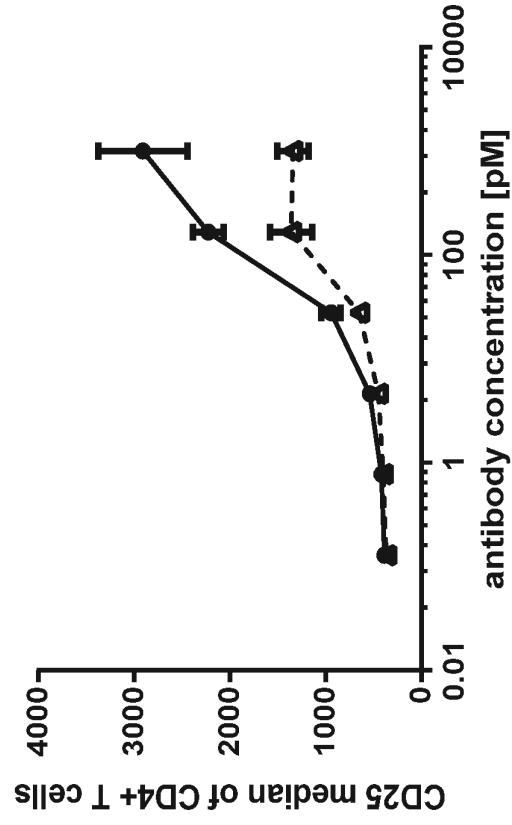
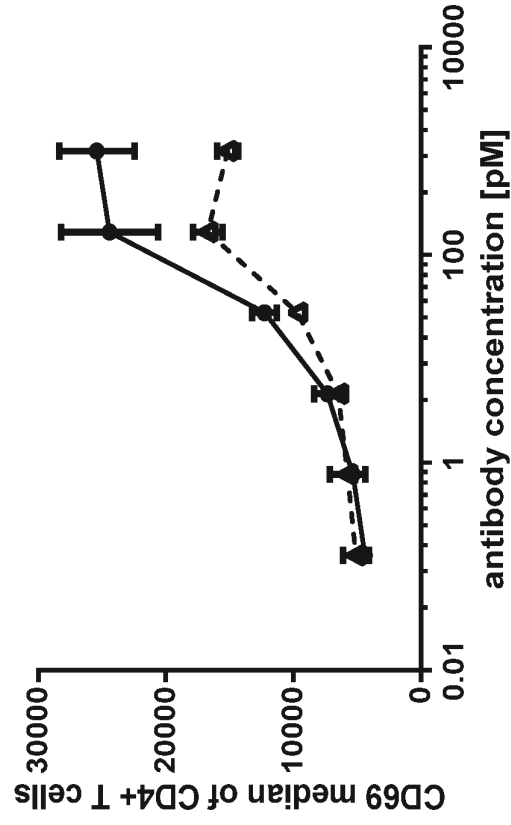
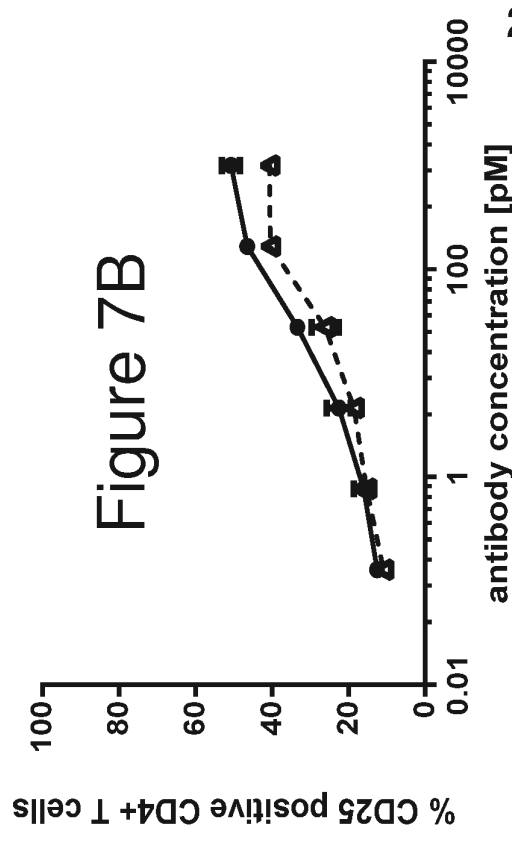
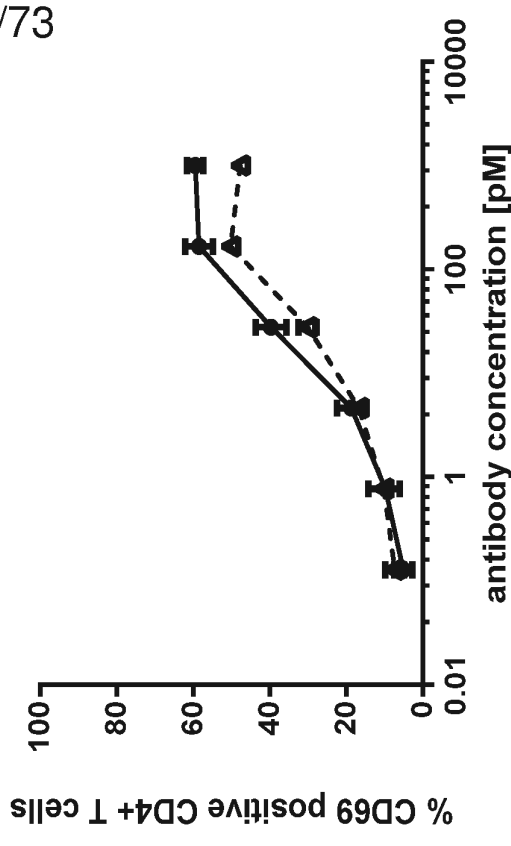
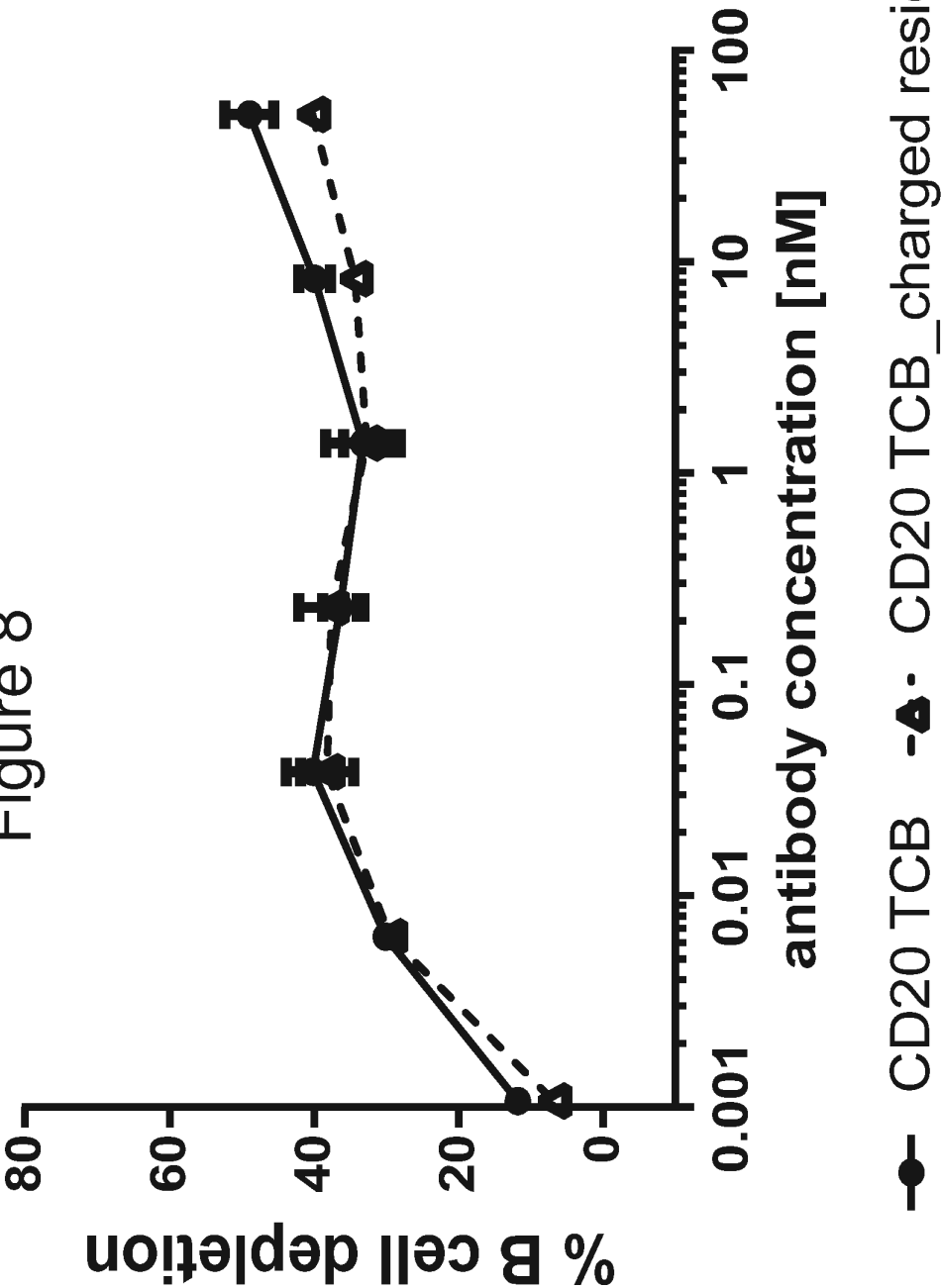
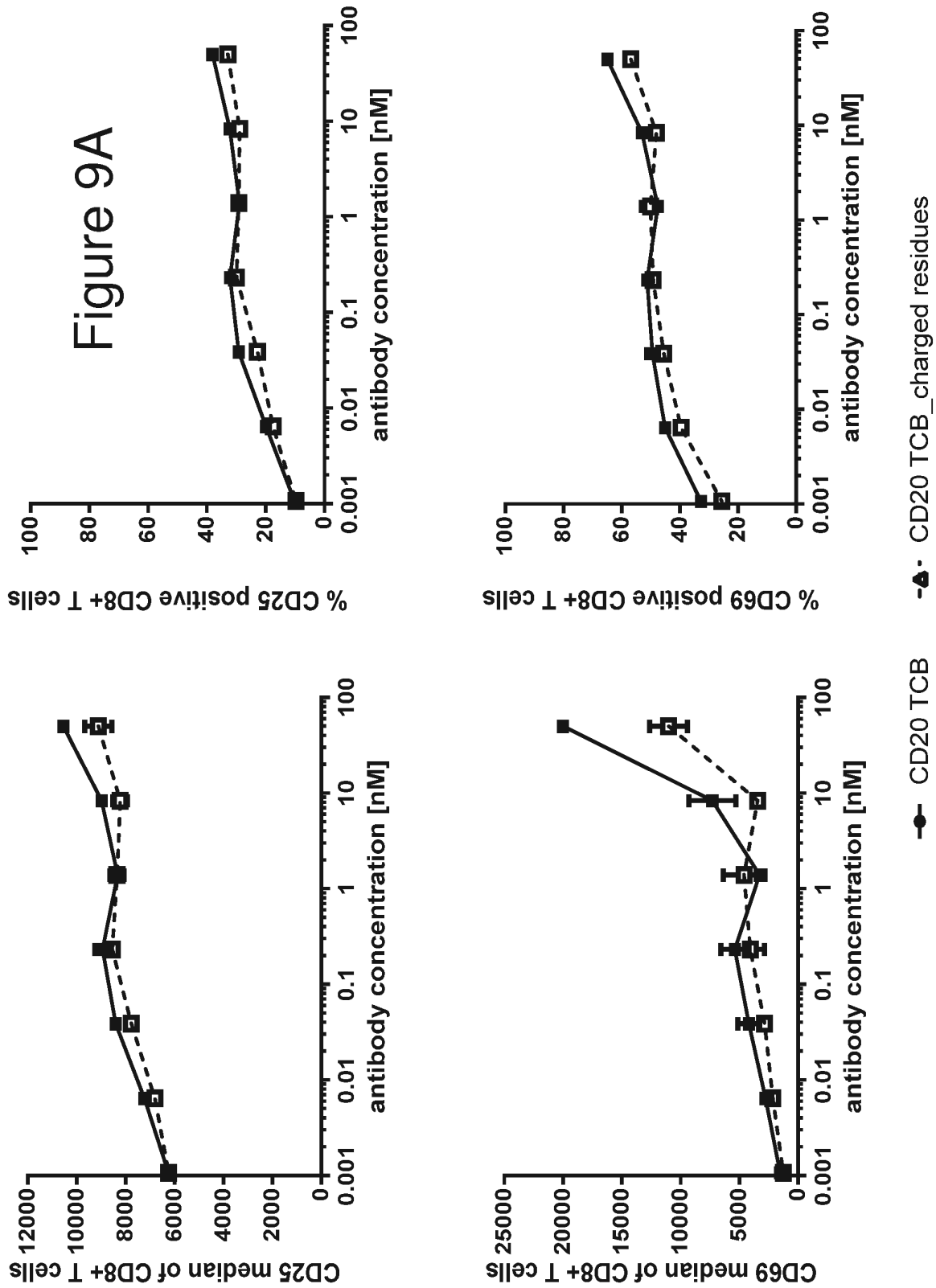


Figure 7B

Figure 8





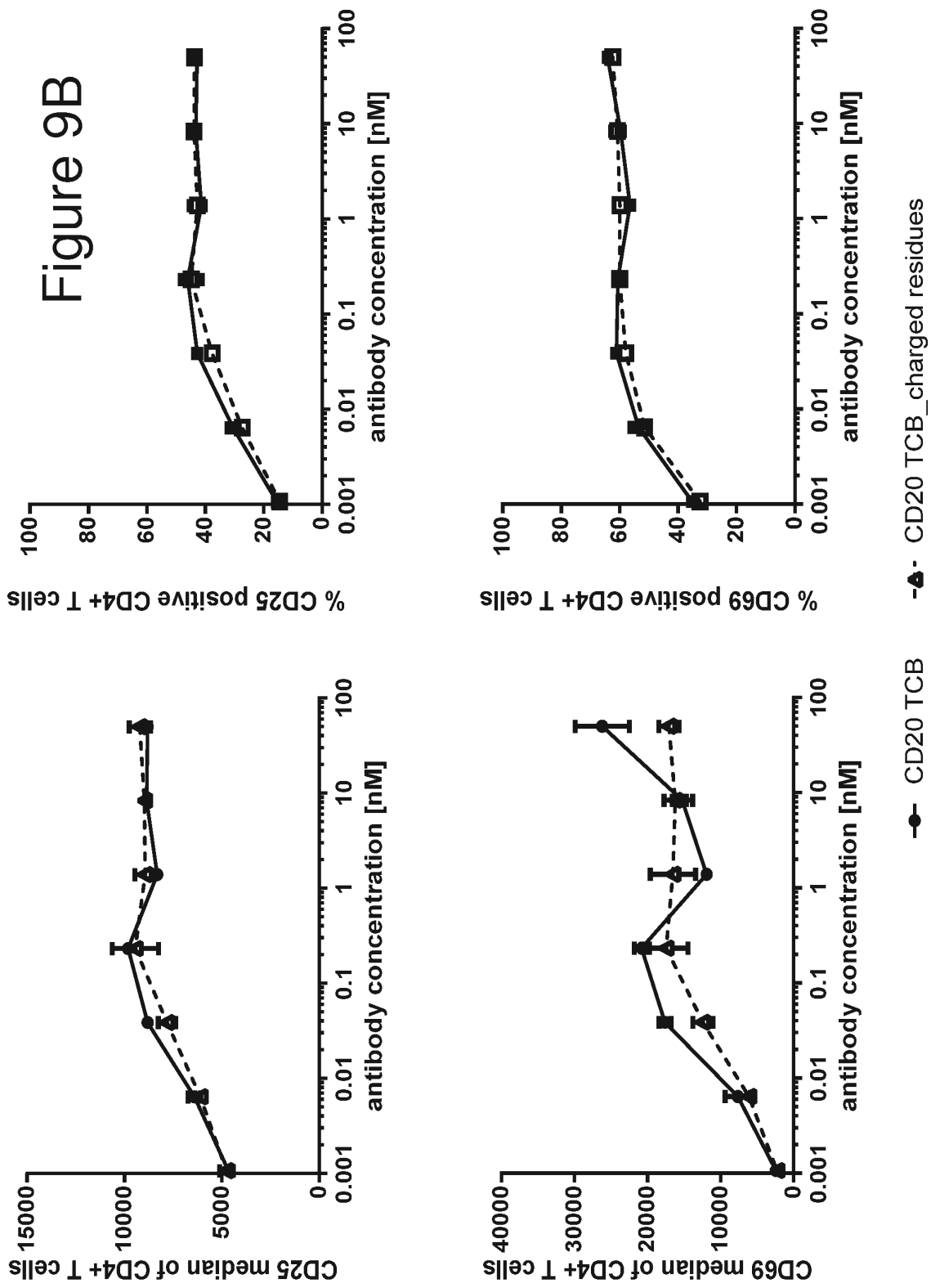
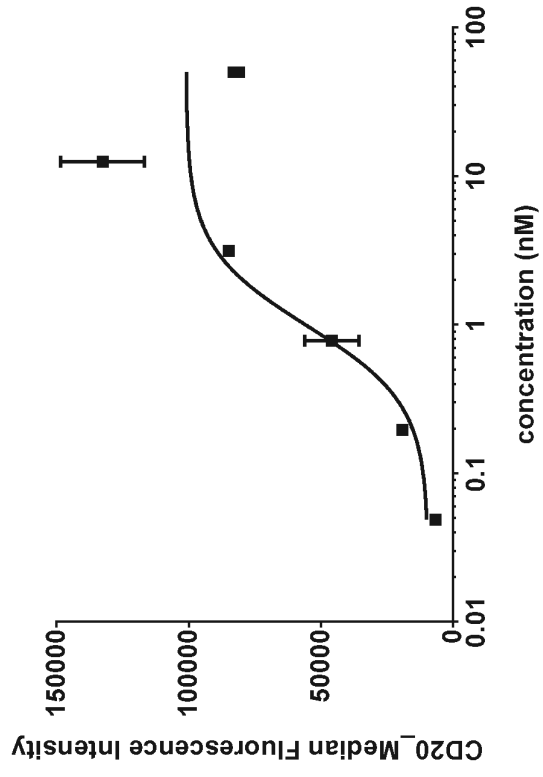
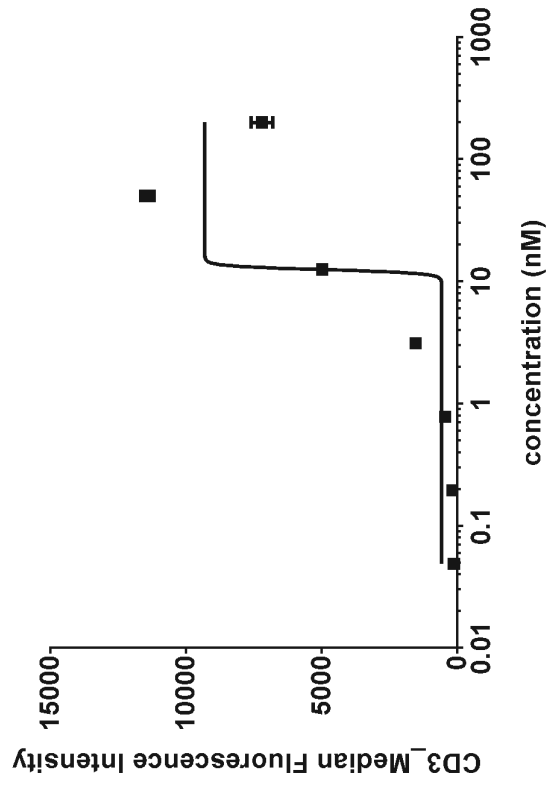


Figure 10

A



B



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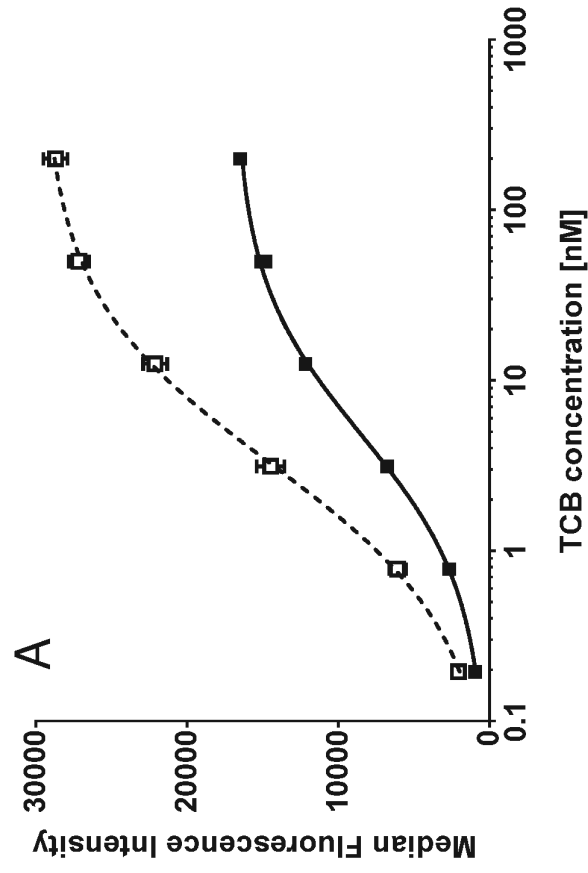
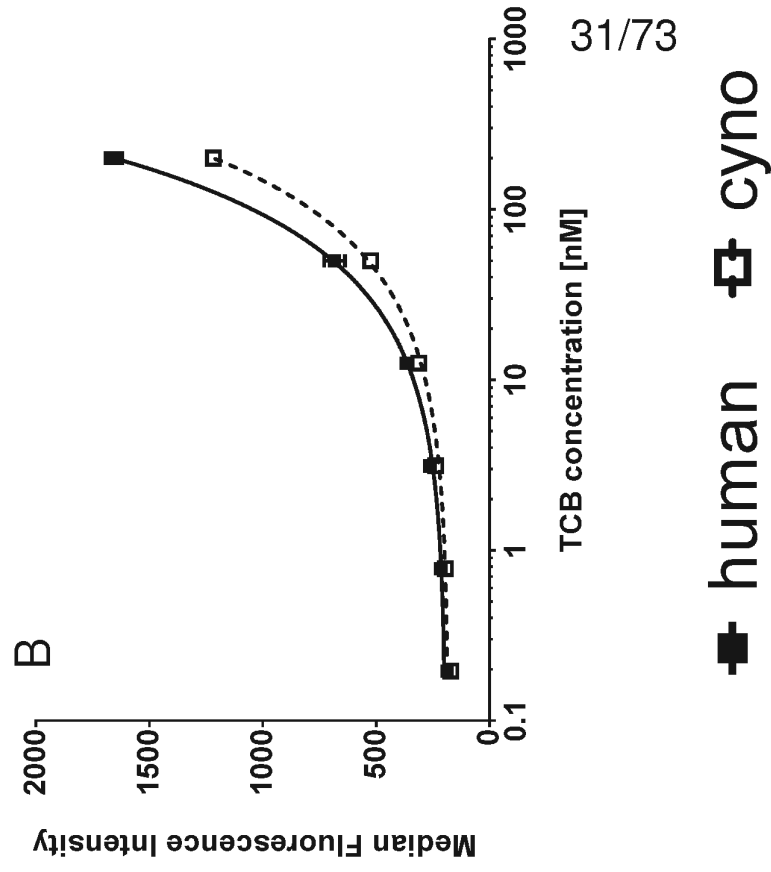
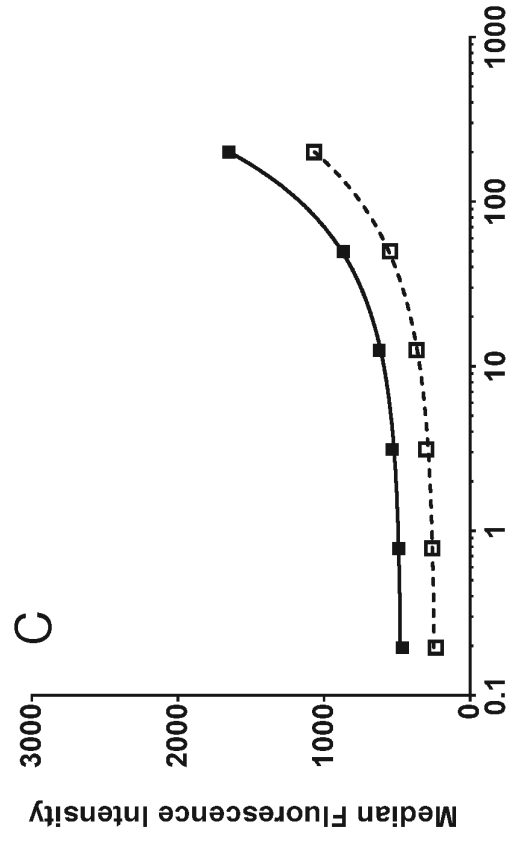


Figure 11

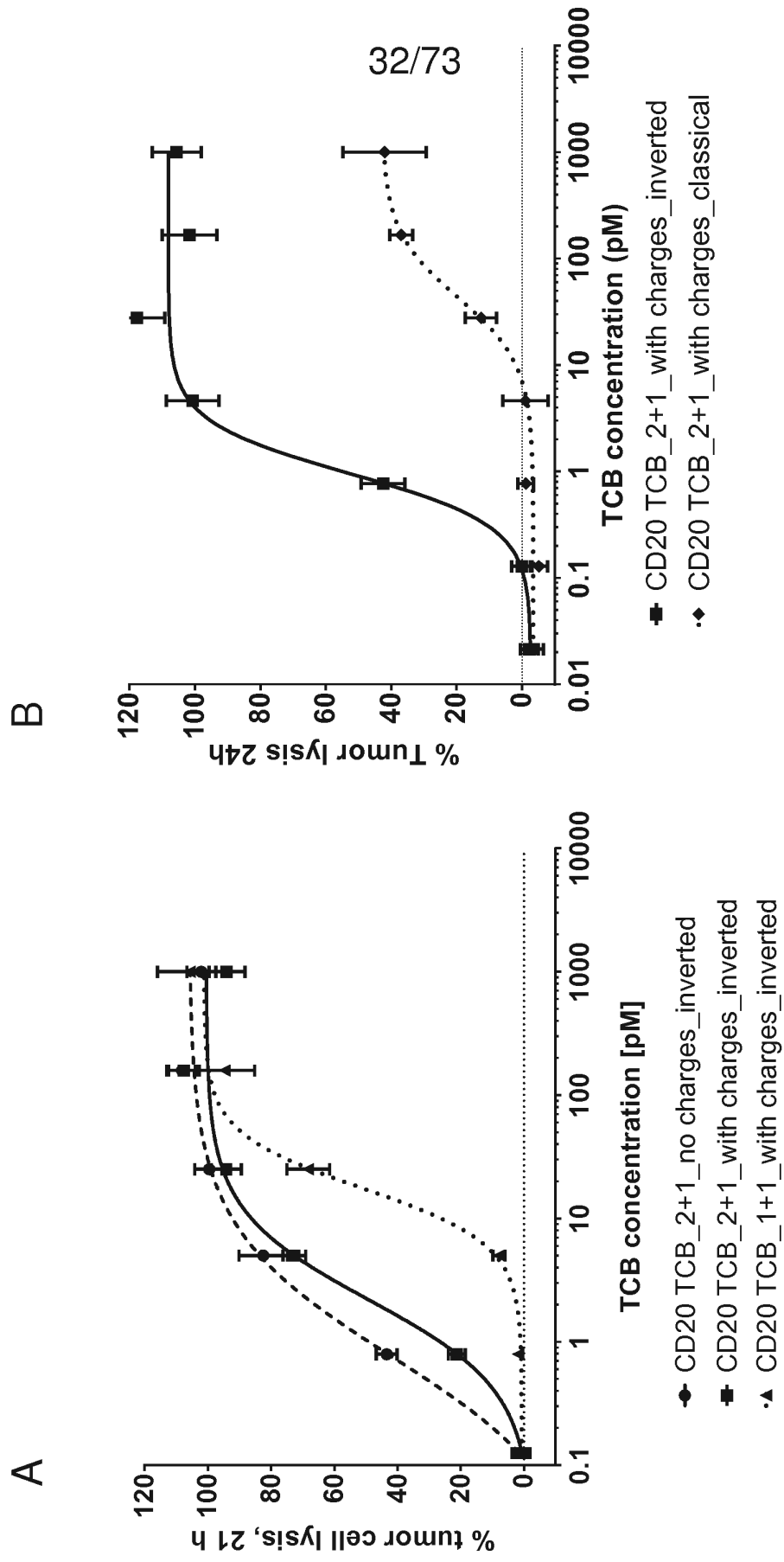
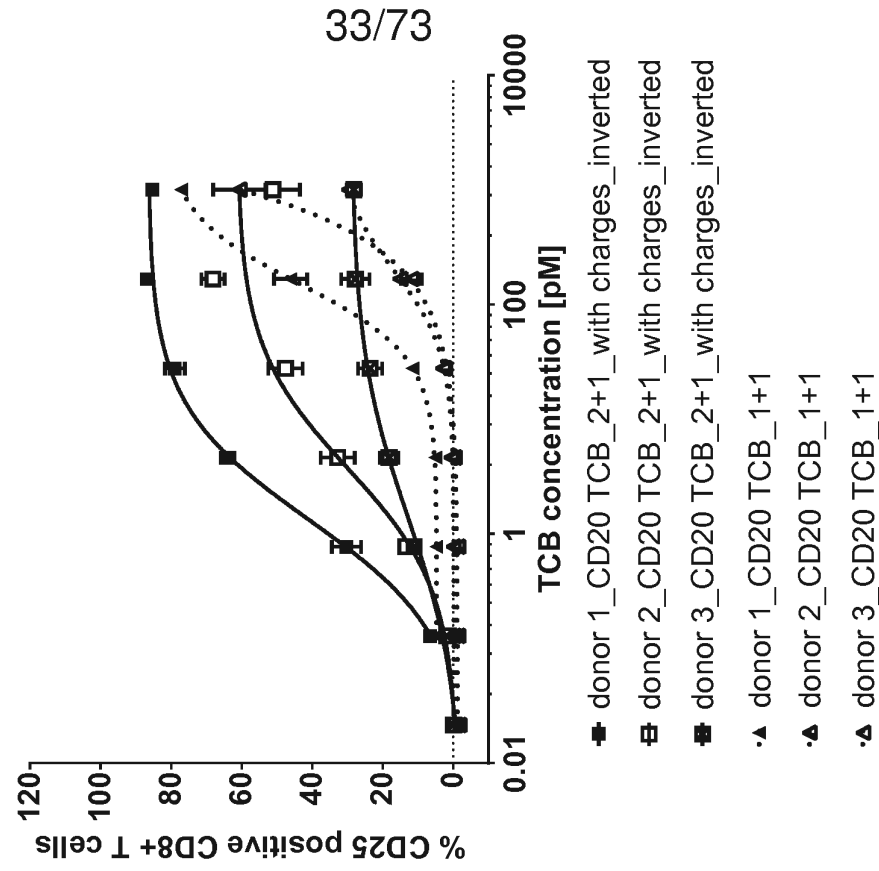


Figure 12

Figure 13

B



A

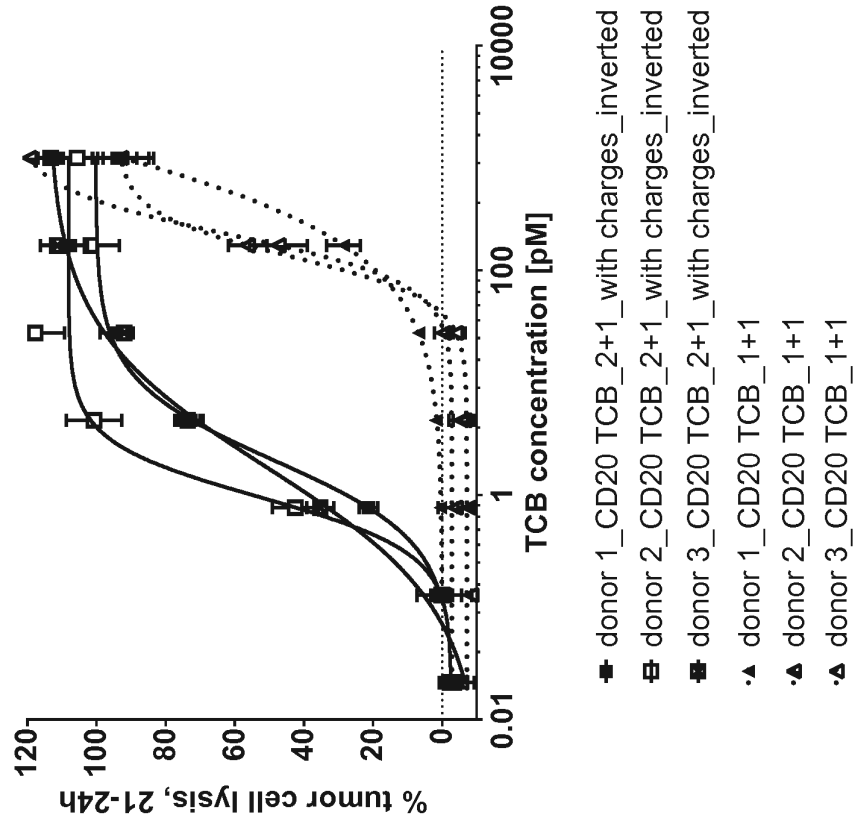
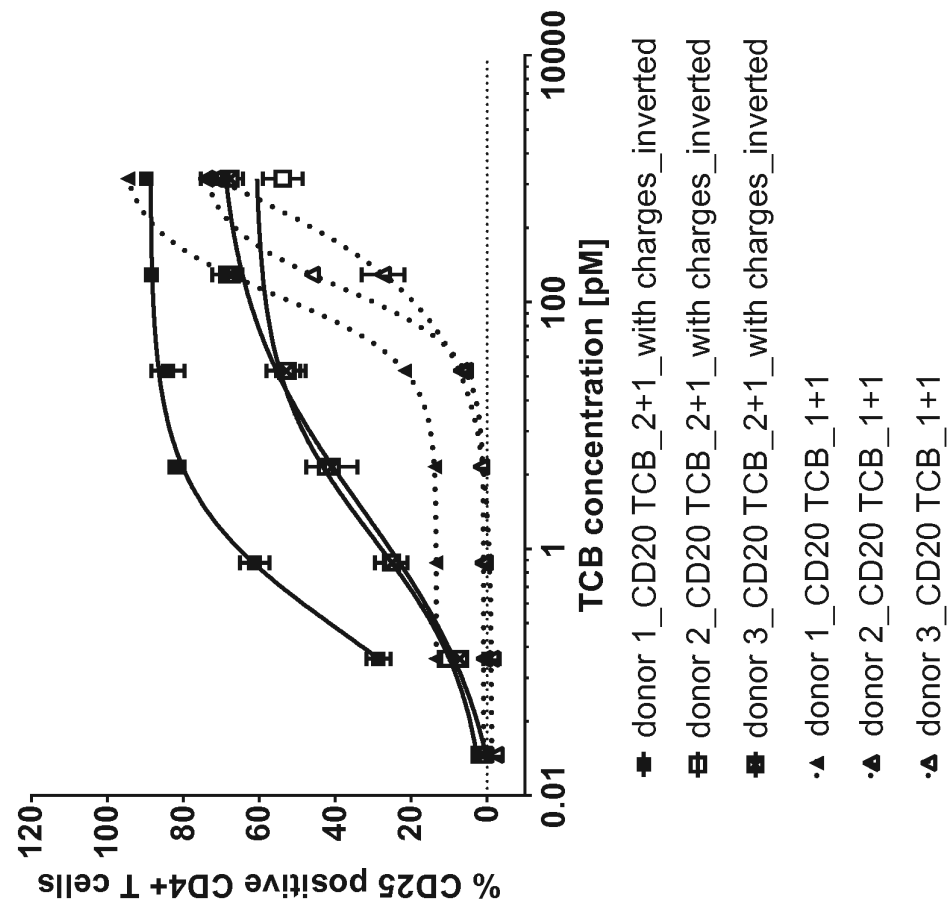


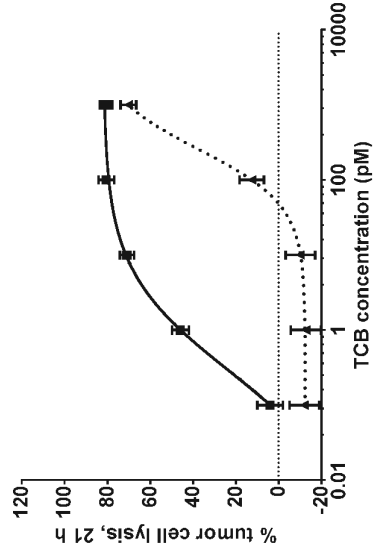
Figure 13

C

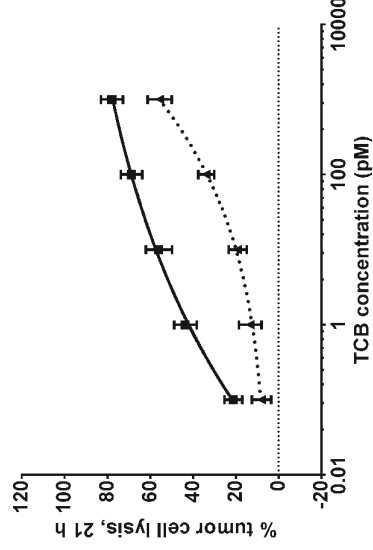


D

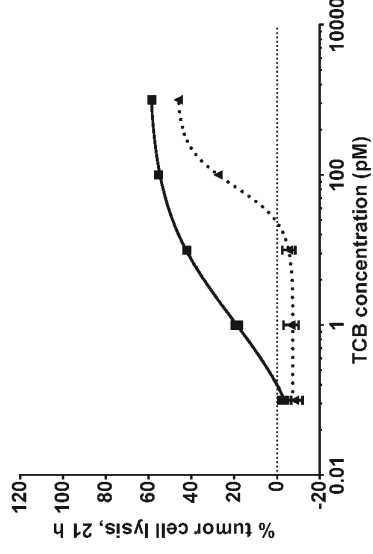
OCI LY 18



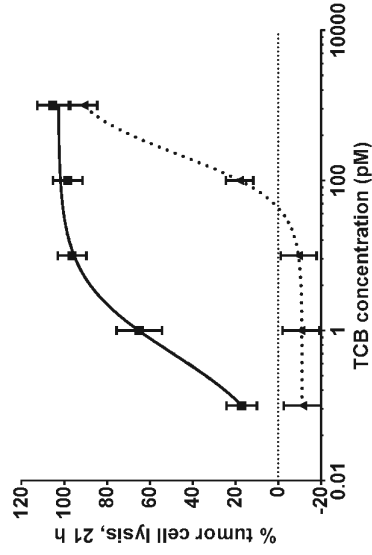
Ramos



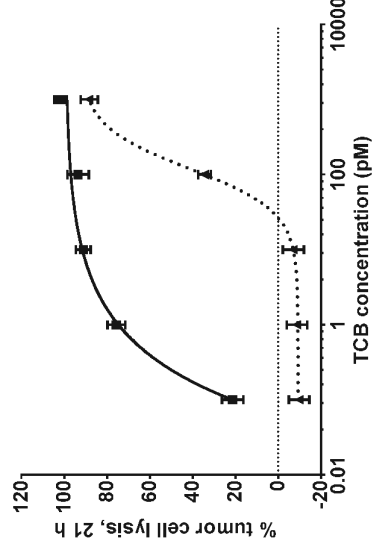
SU-DHL-5



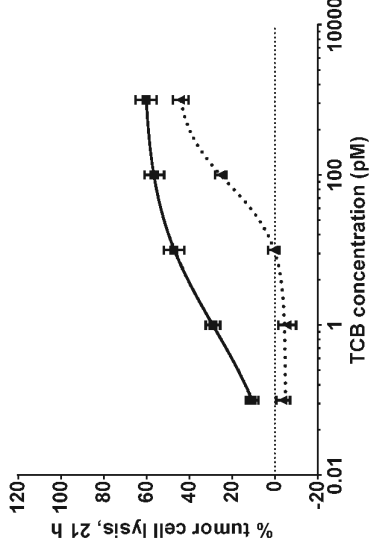
SU-DHL-8



Toledo



U2932



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■ CD20 TCB 2+1_with charges_inverted

▲ CD20 TCB 1+1

Figure 13

Figure 14

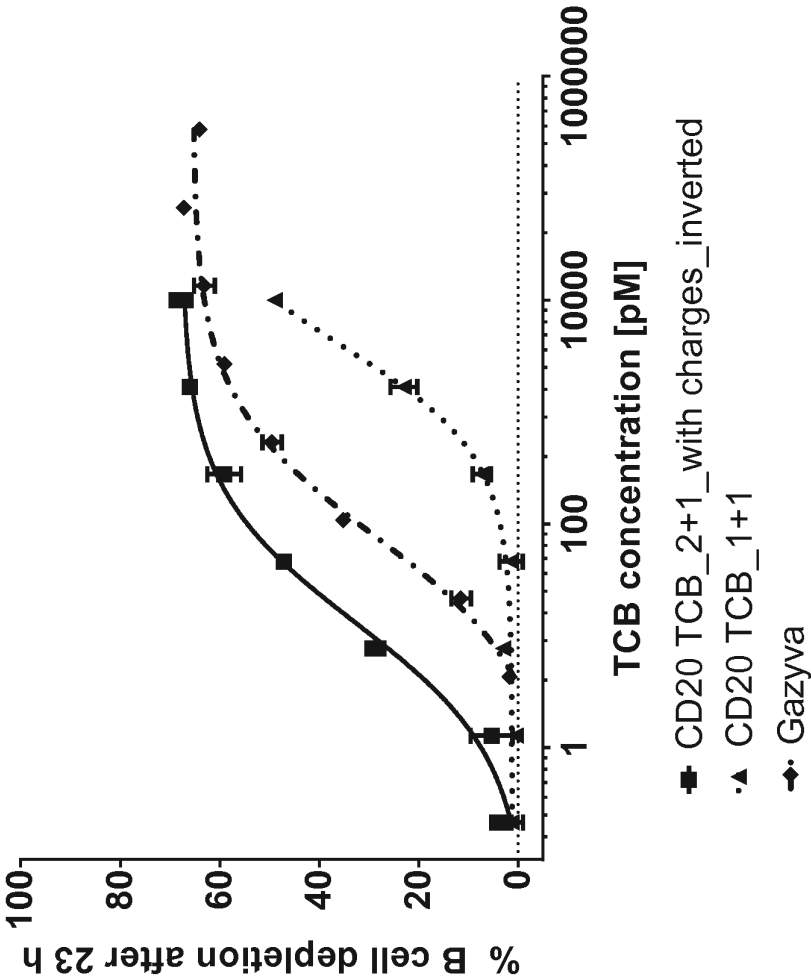
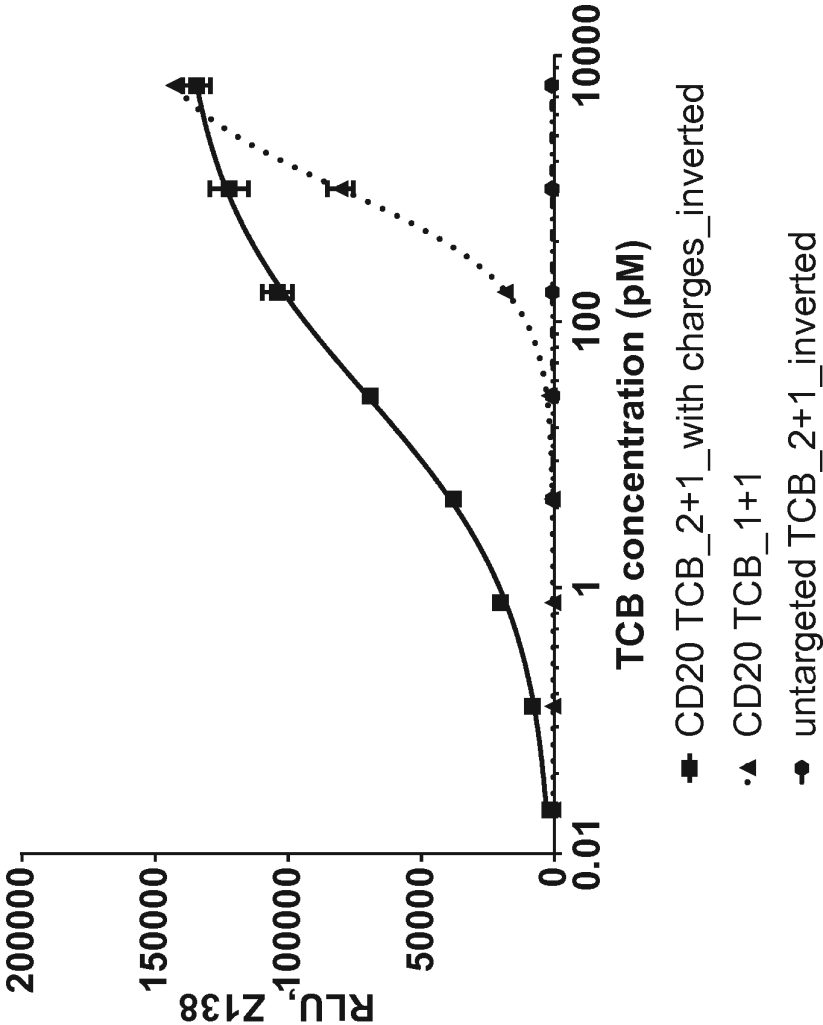


Figure 15



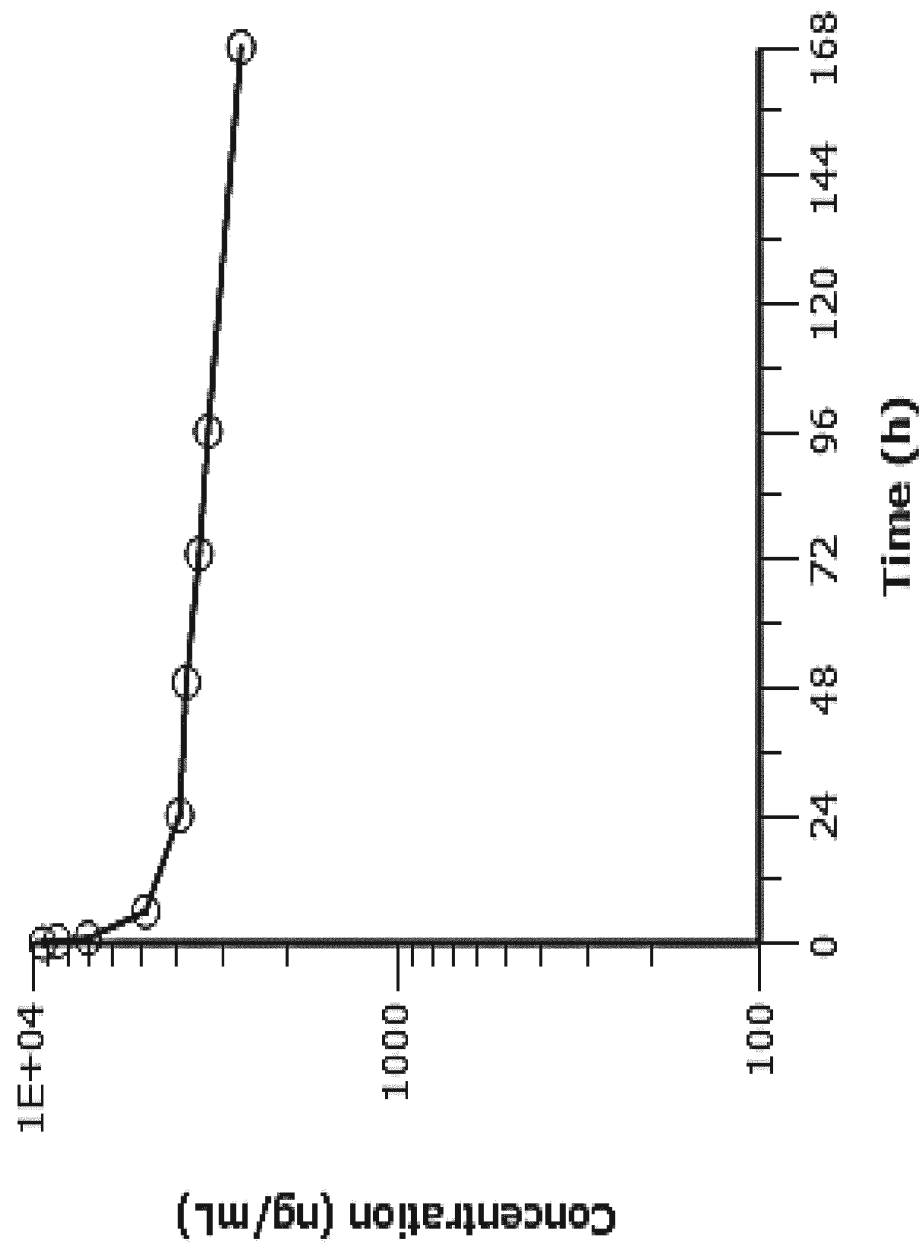


Figure 16

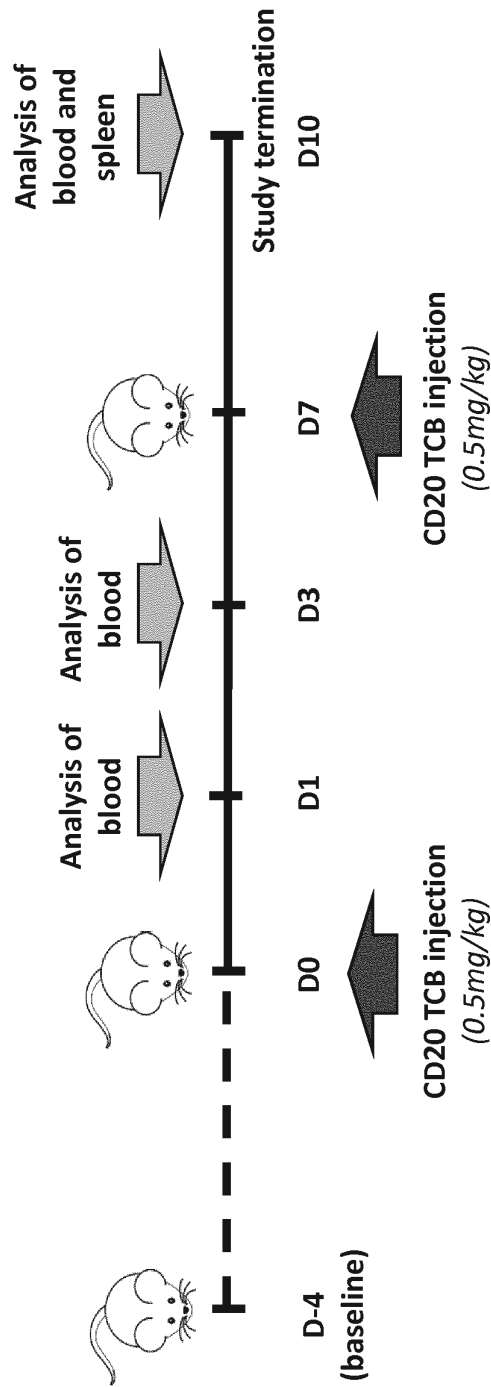


Figure 17

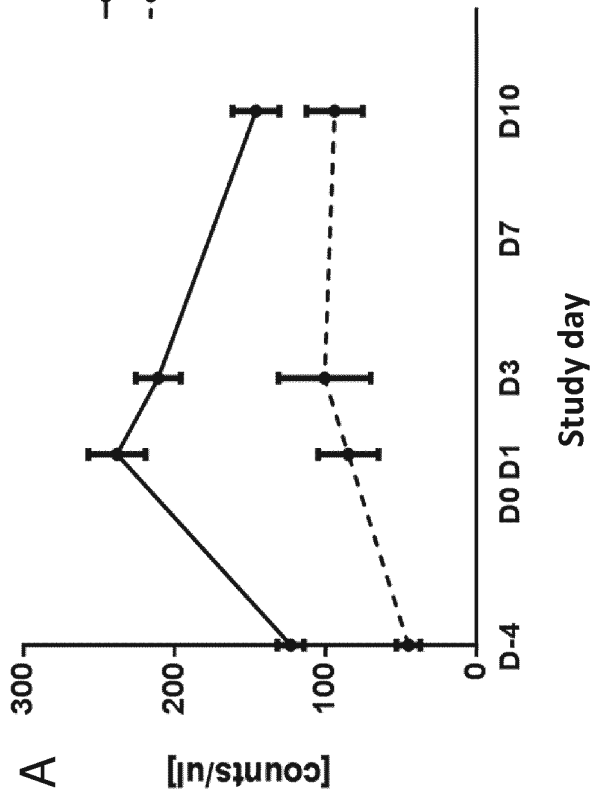
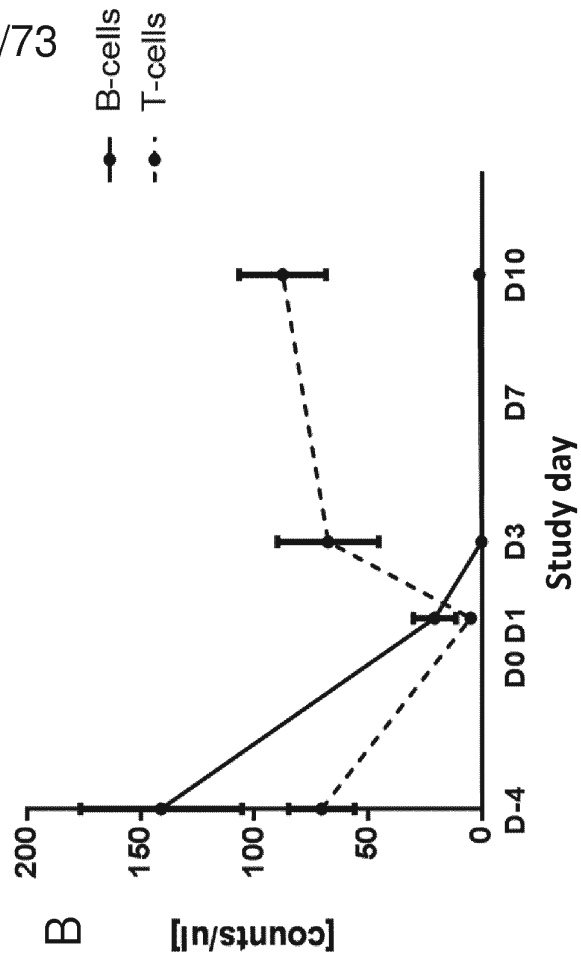


Figure 18

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—●— B-cells
- -●- - T-cells

Figure 19

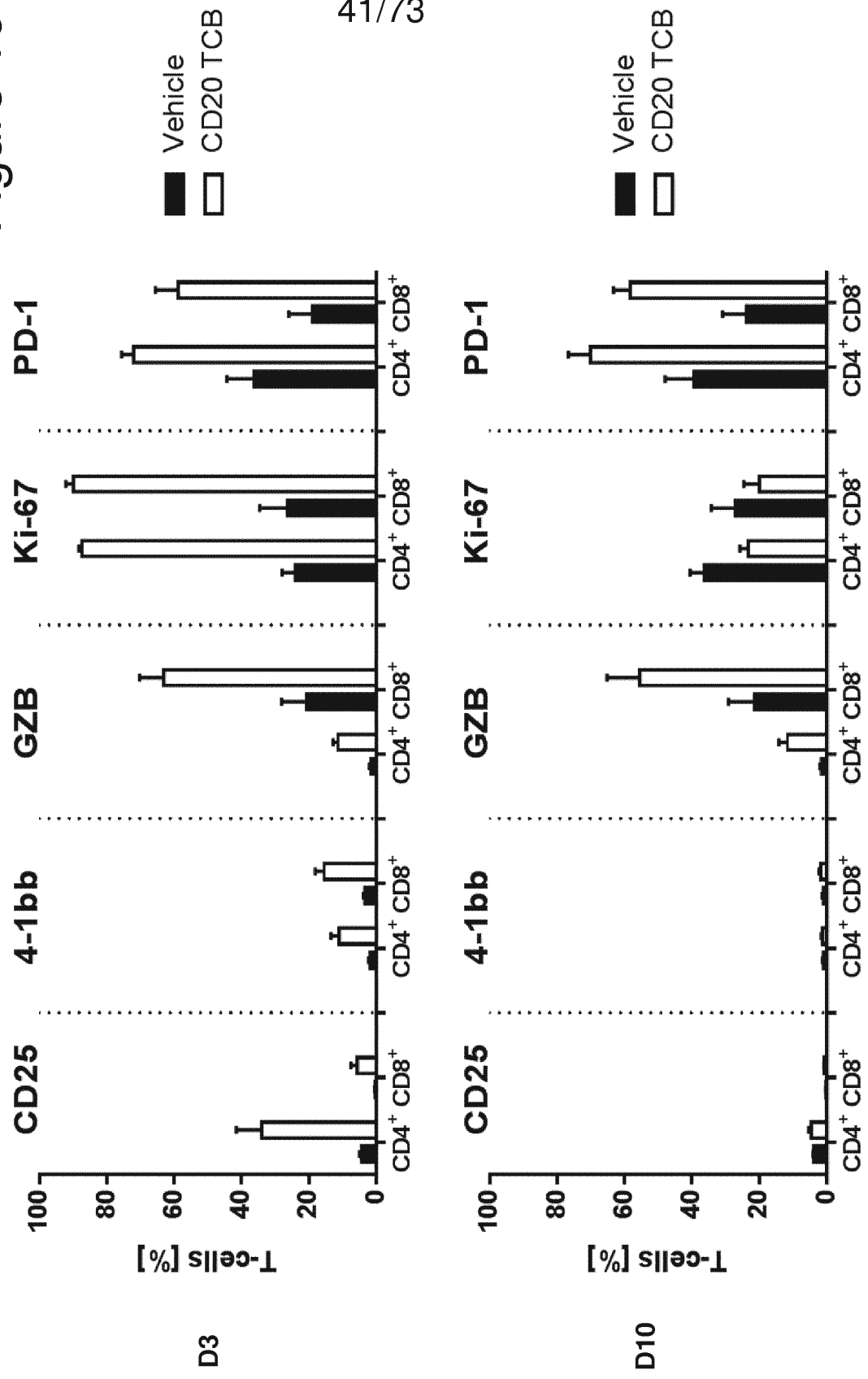


Figure 20

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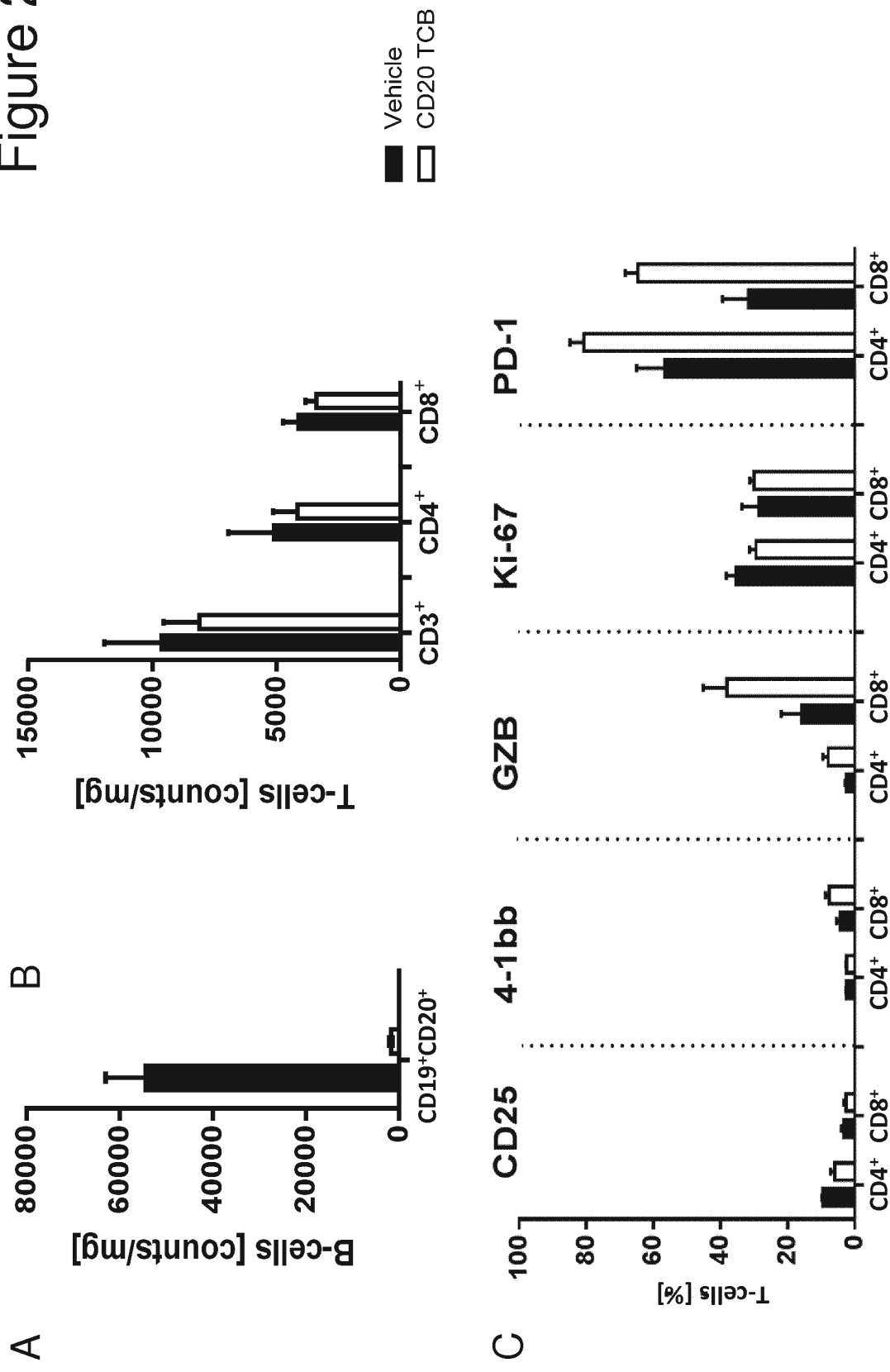
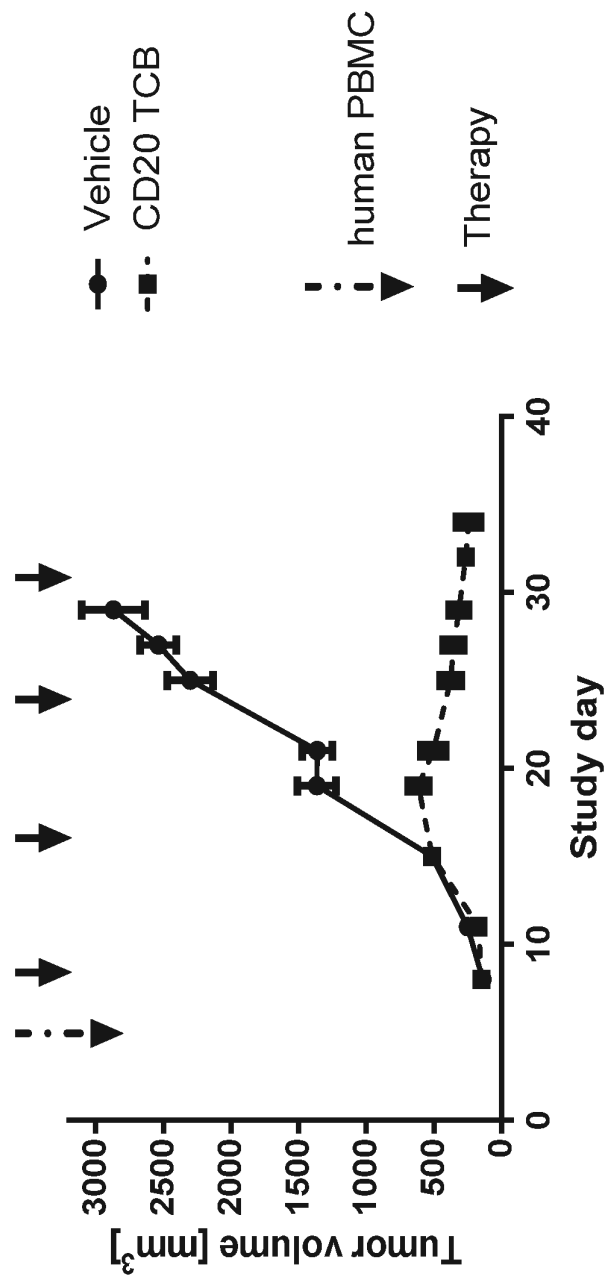


Figure 21



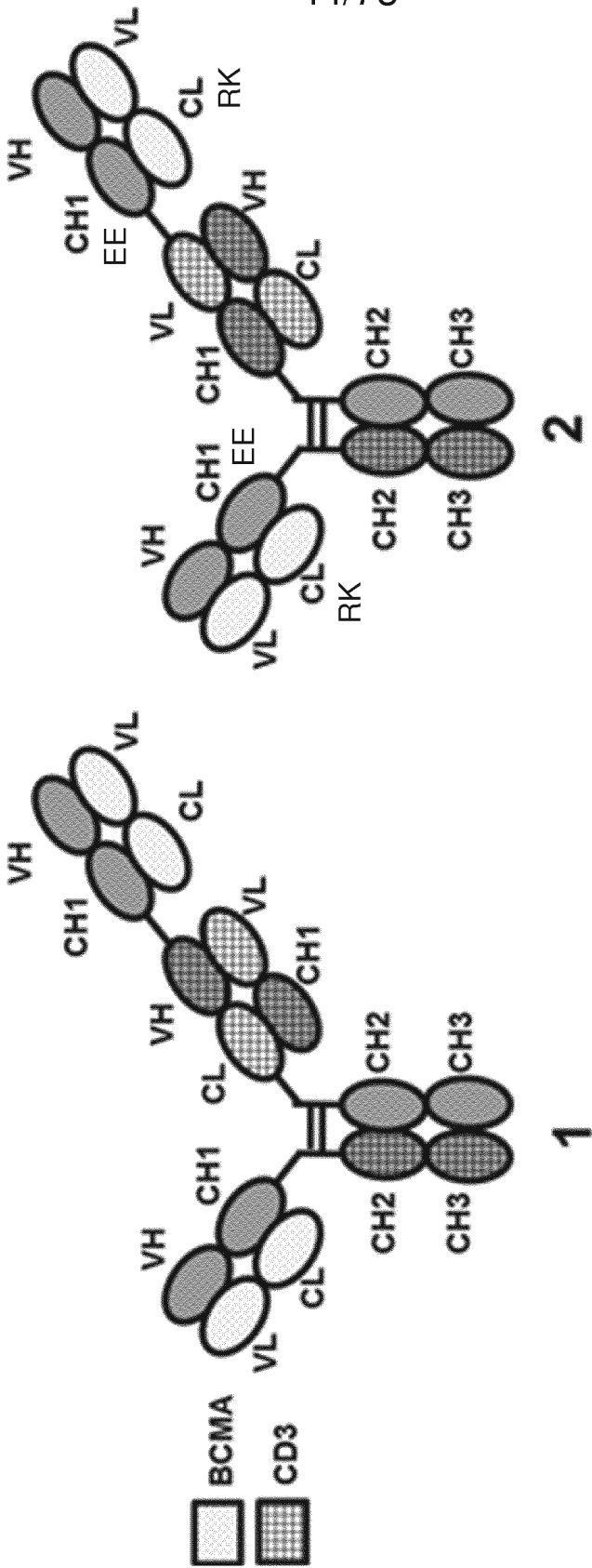


Figure 22

A. 83A10-TCB

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

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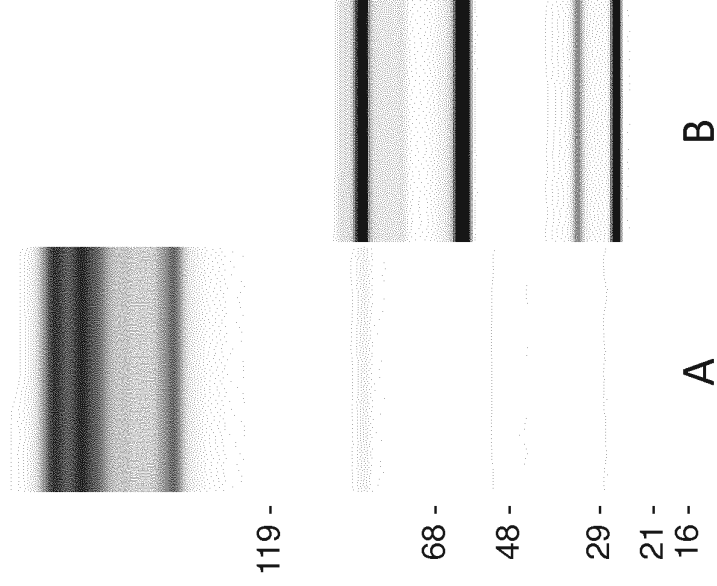


Figure 23

B. 83A10-TCB

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

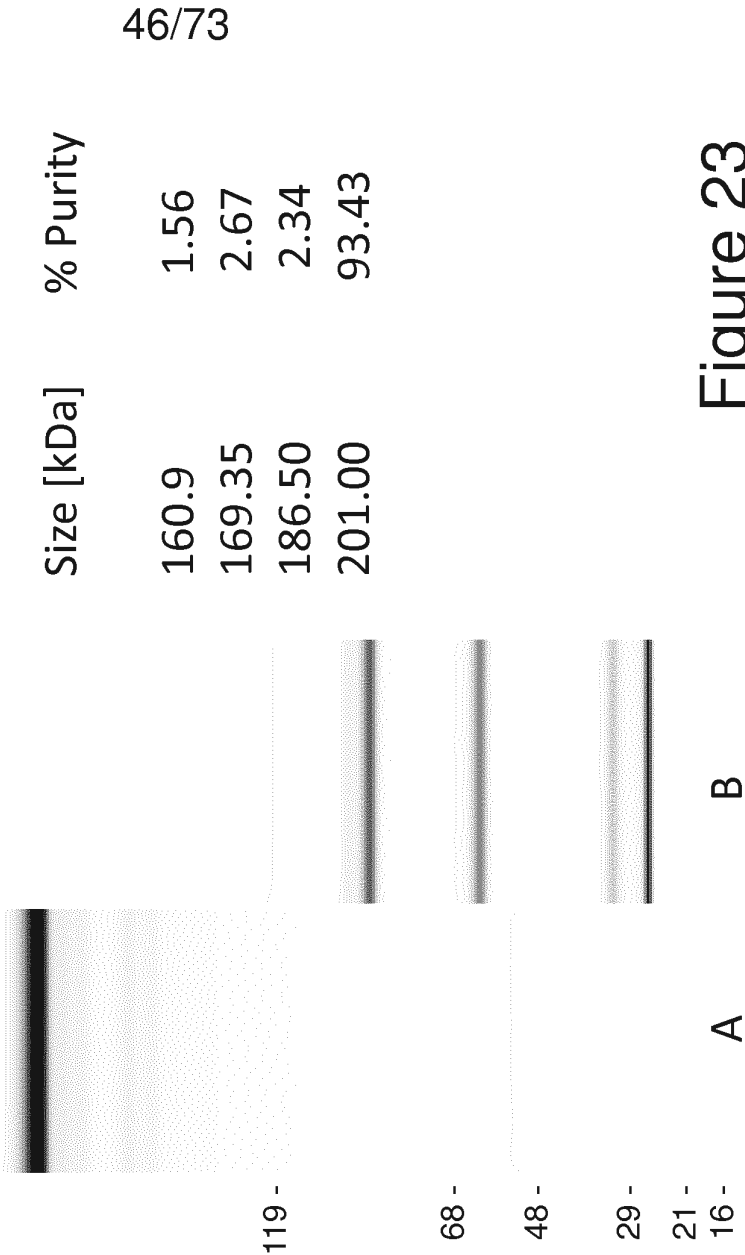


Figure 23

C. 83A10-ICBcv

Pur. methods: PA + cIEX + SEC

Purity: 95.3%

Yield: 3.3 mg/L

Amount: 1.3 mg

Monomer: 100%

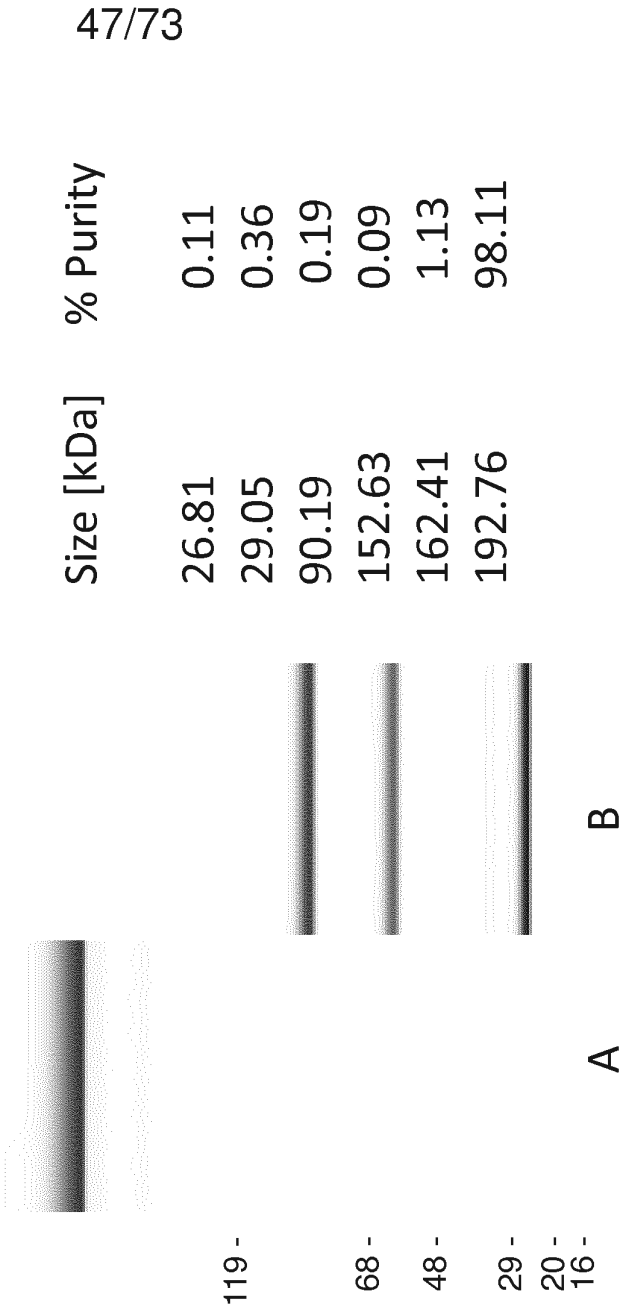


Figure 23

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.

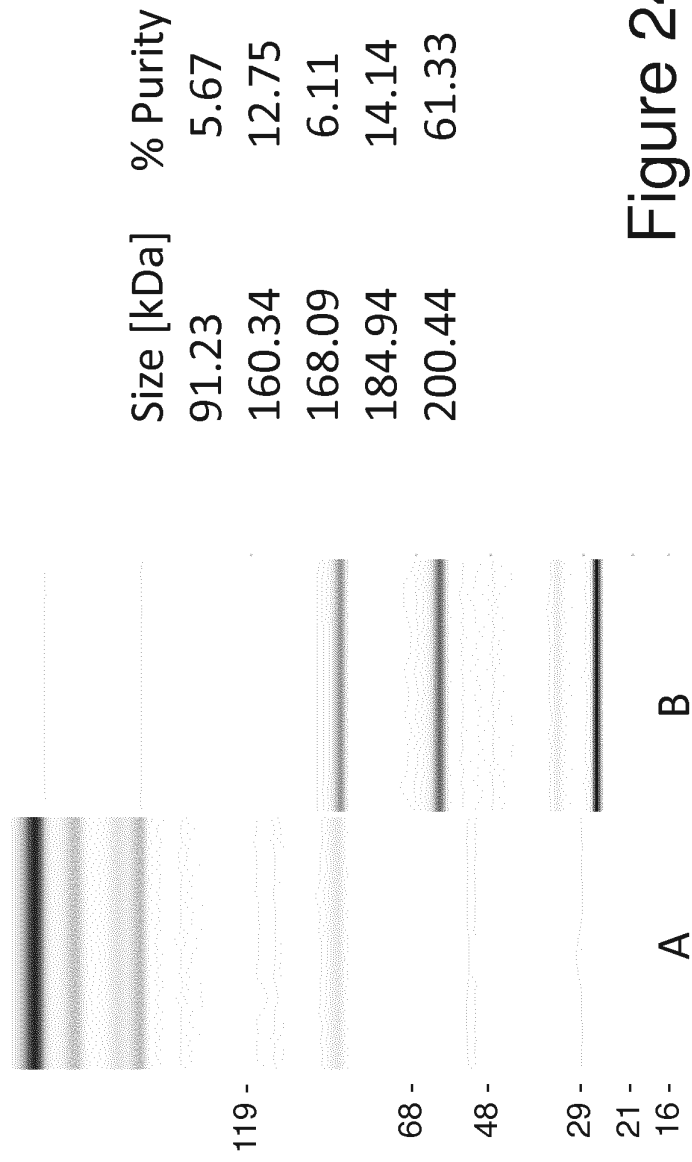


Figure 24

B. 83A10-TCBcv

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

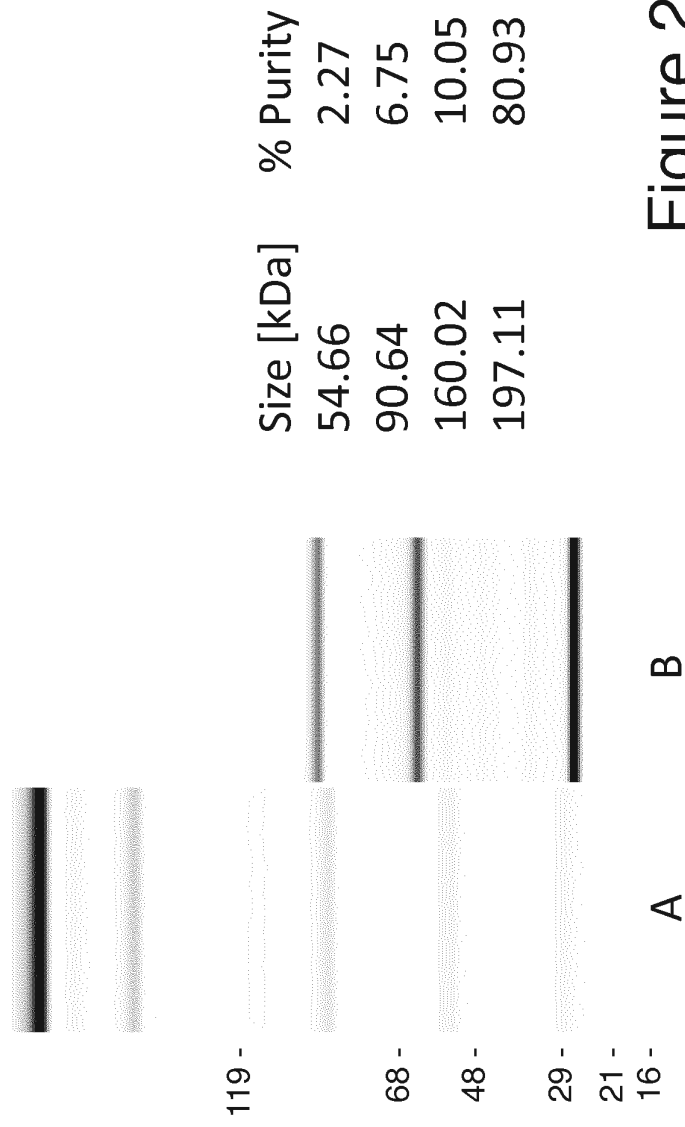


Figure 24

C. 83A10-TCB

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

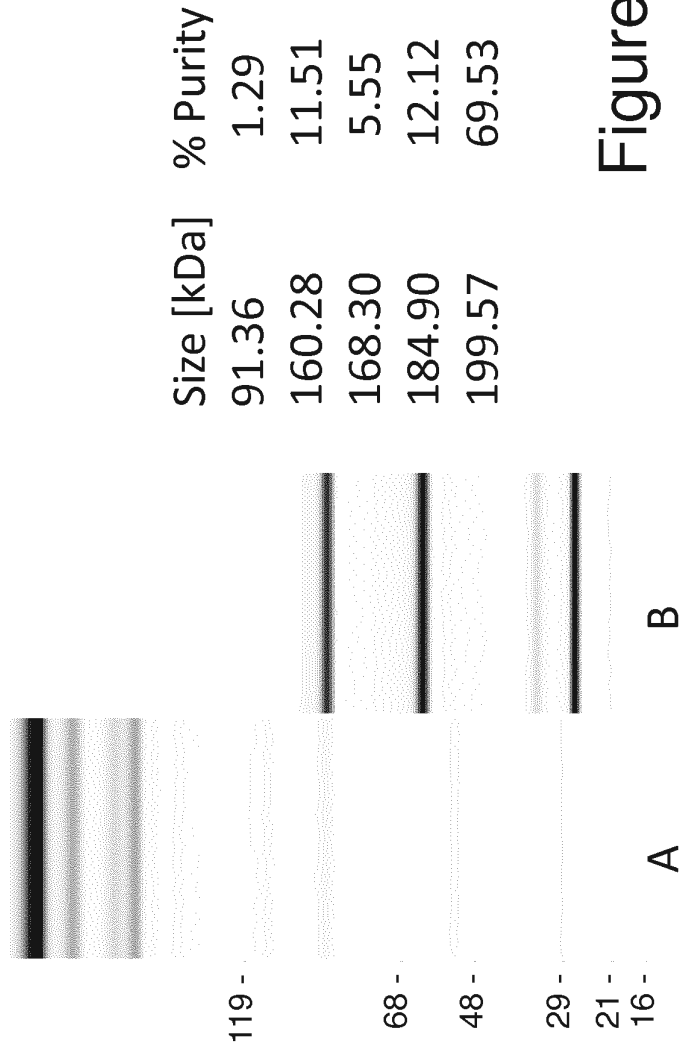


Figure 24

D. 83A10-ICBcv

Pur. methods: PA + SEC

Purity: 91.0%

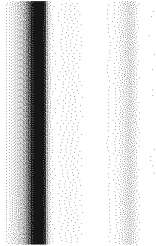
Yield: 10.3 mg/L

Amount: 10.0 mg

Monomer: 83.9%

LC-MS: 90% correct

molecule



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

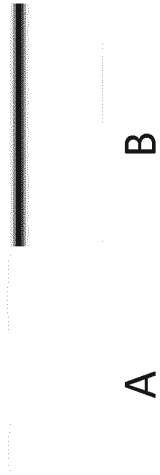


Figure 24

E. 83A10-TCB

Pur. methods: [(PA + SEC
+ (PA)] + cIEX + SEC

Purity: 43.1%

Yield: 0.43 mg/L

Amount: 0.73 mg

Monomer: 98.3%

LC-MS: 60-70% correct
molecule

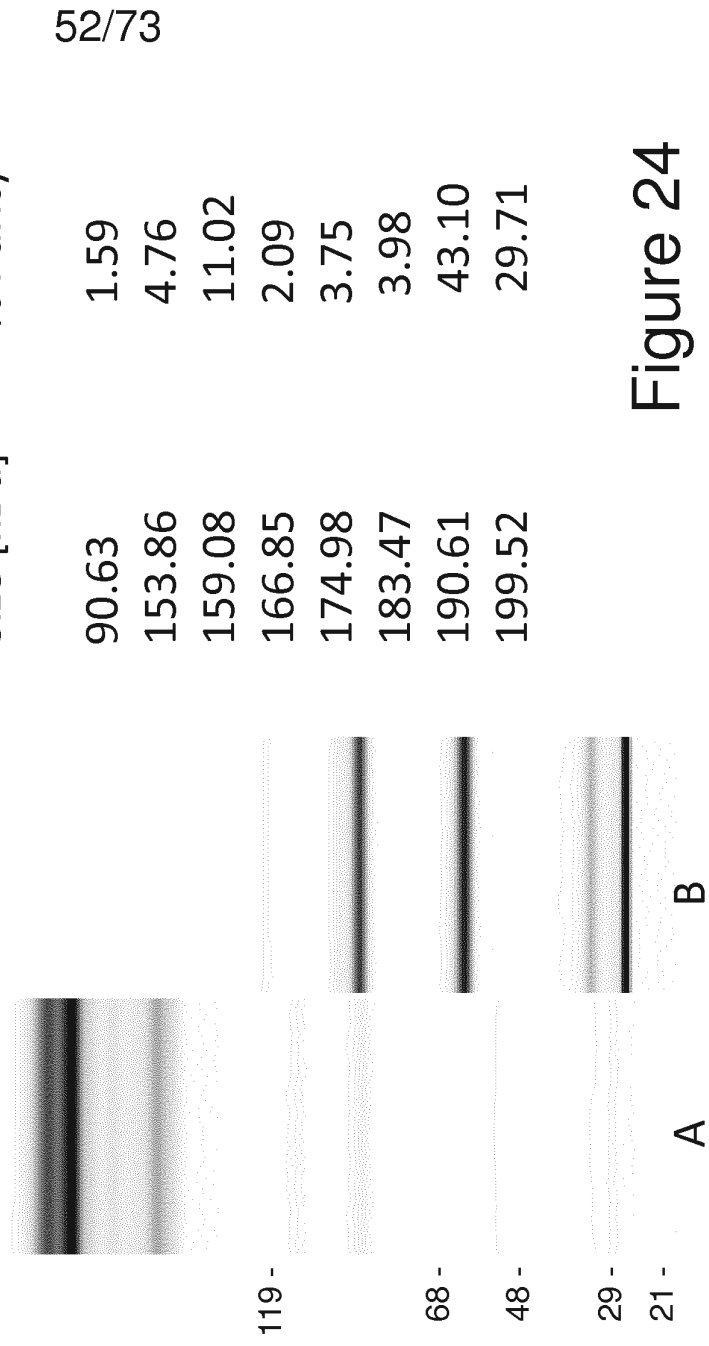


Figure 24

F.

83A10-TCBcy

Pur. methods: [(PA + SEC

+ (PA)] + cLEX + SEC

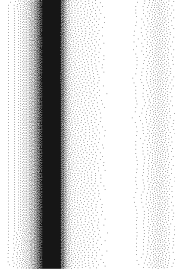
Purity: 96.2%

Yield: 0.64 mg/L

Amount: 1.27 mg

Monomer: 98.9%

LC-MS: >95% correct molecule



119 -

68 -

48 -

29 -

21 -

Size [kDa]

158.06

195.95

% Purity

3.80

96.20

A

B

Figure 24

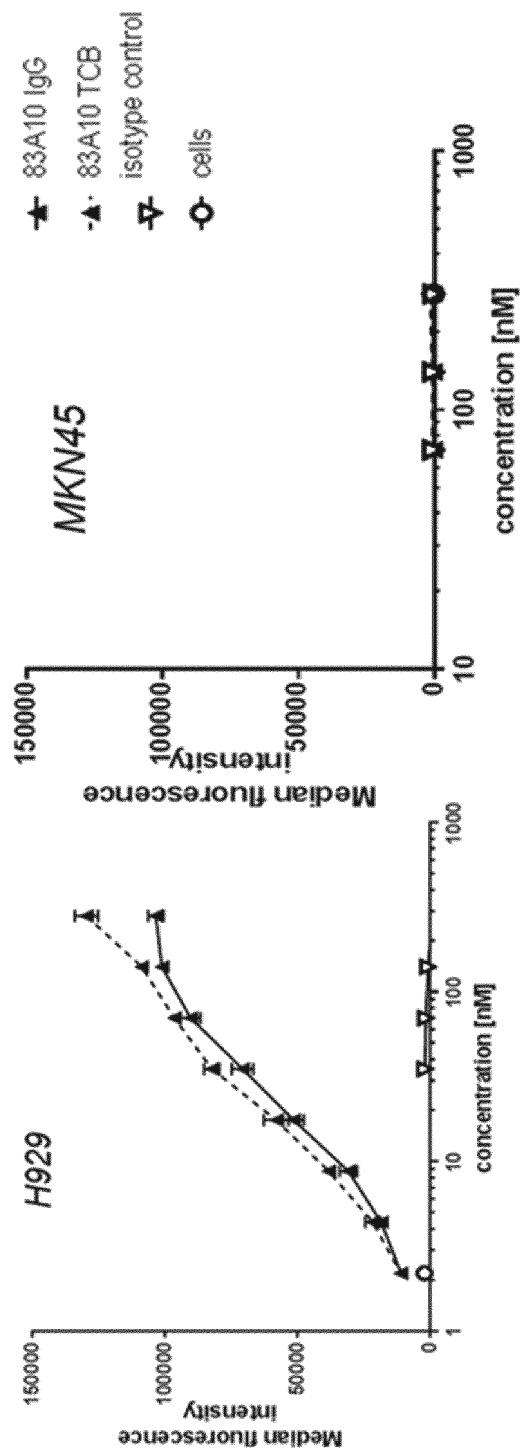
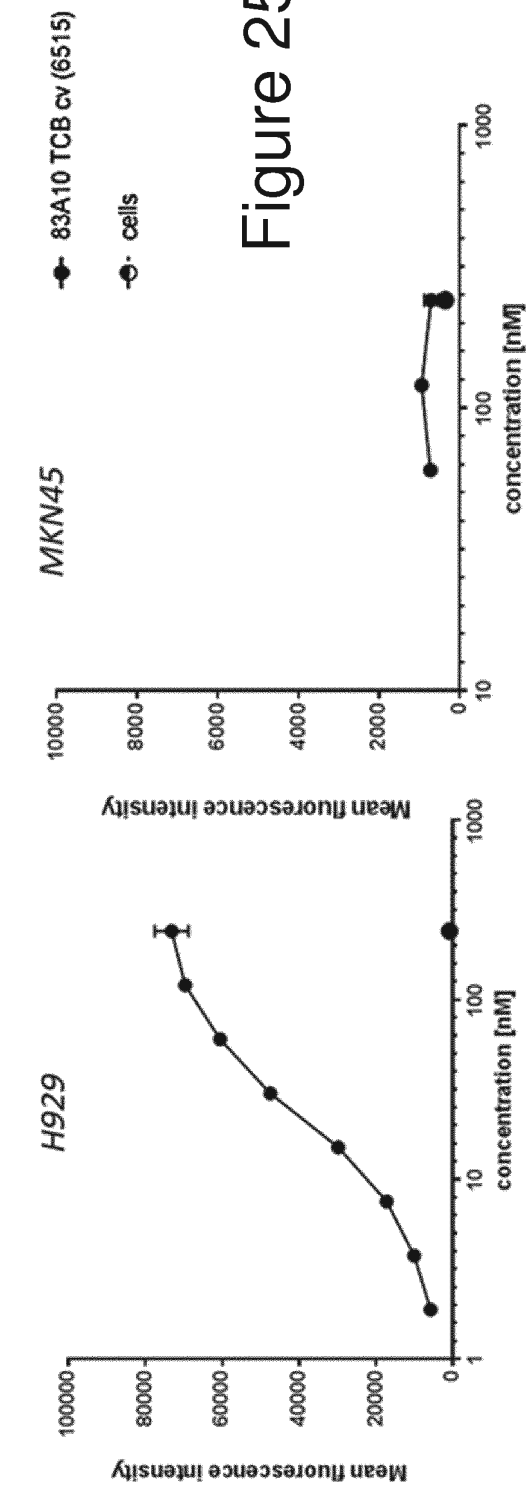


Figure 25

C

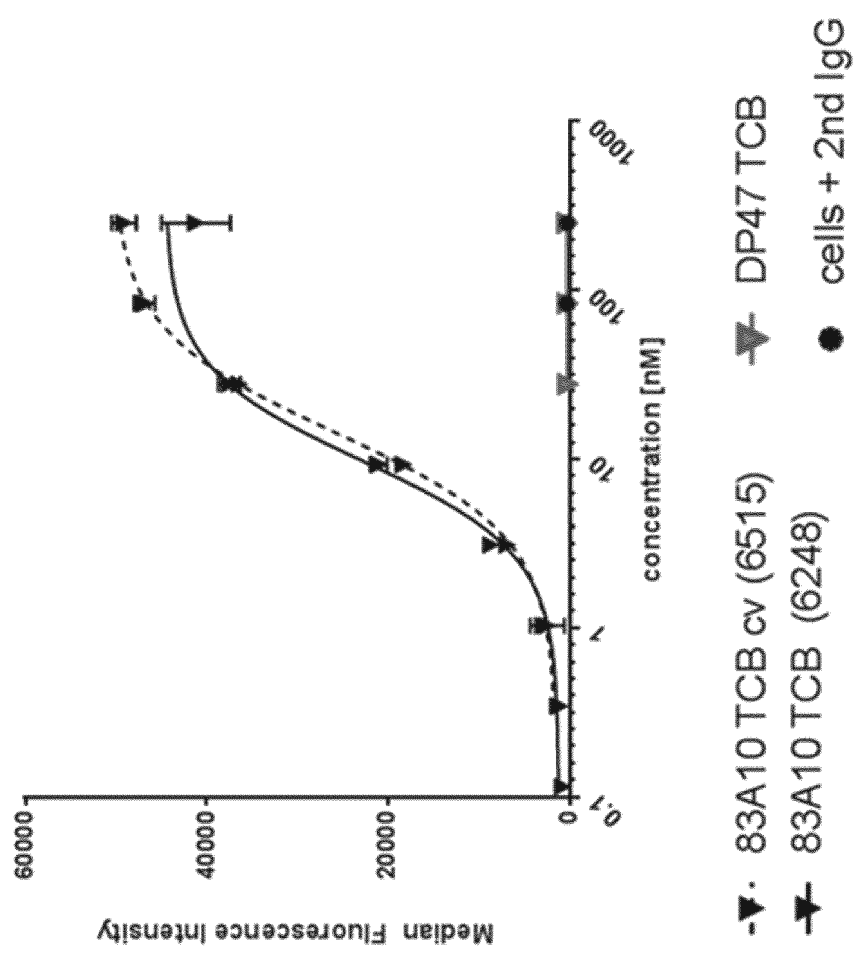


Figure 25

D

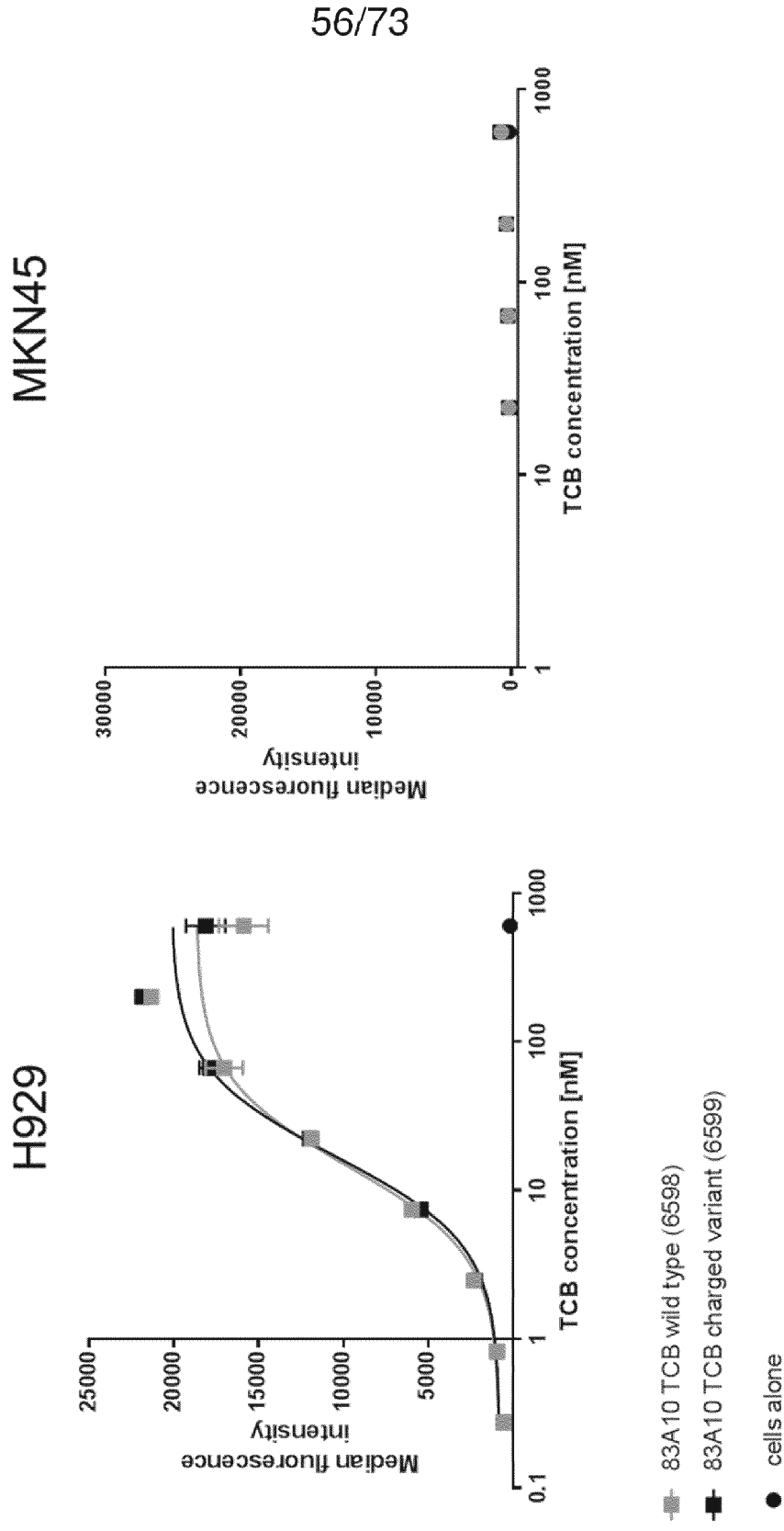


Figure 25

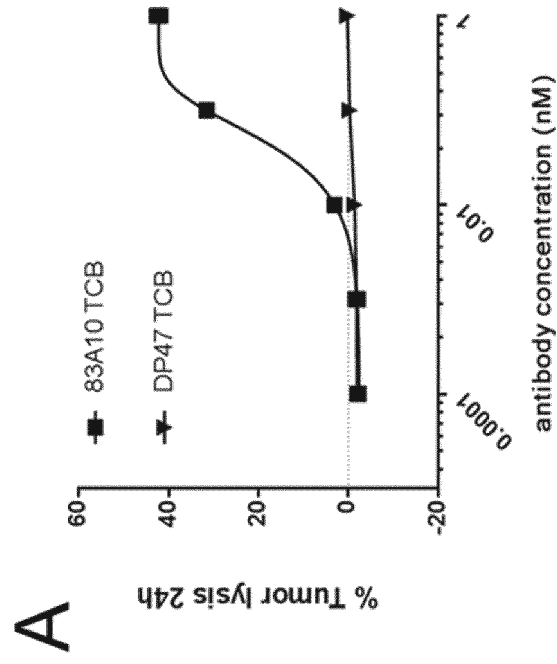
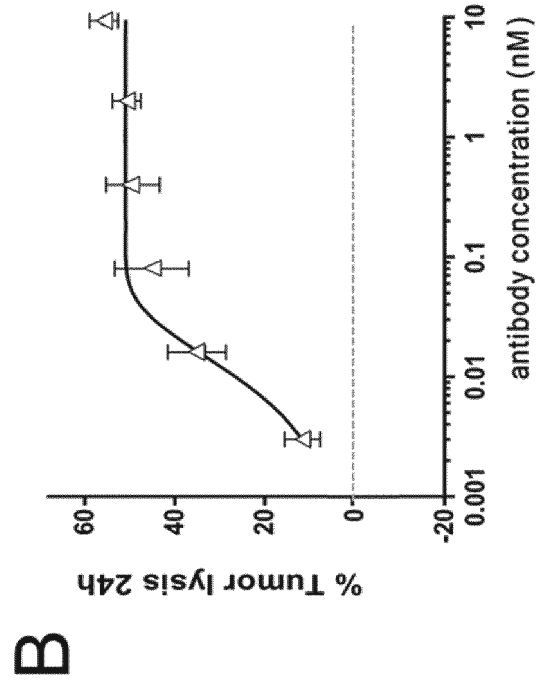
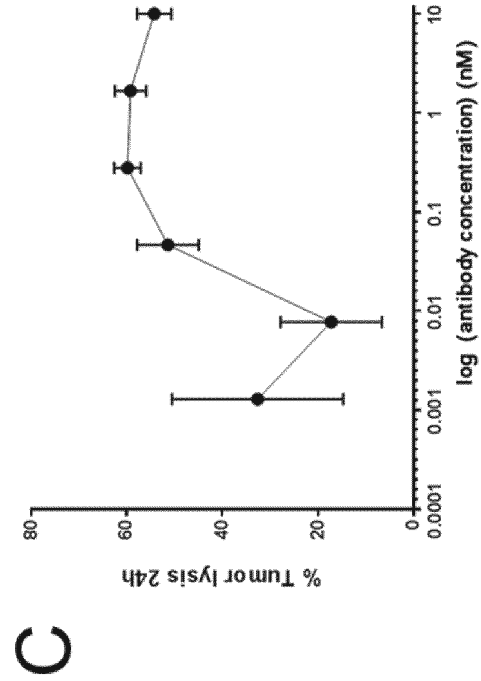
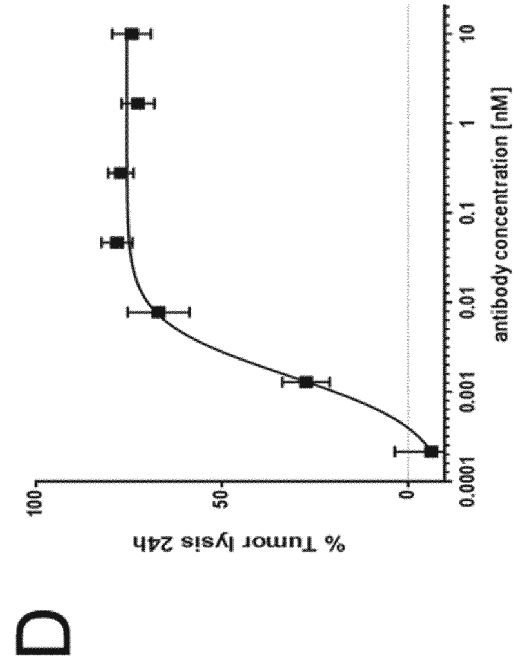


Figure 26

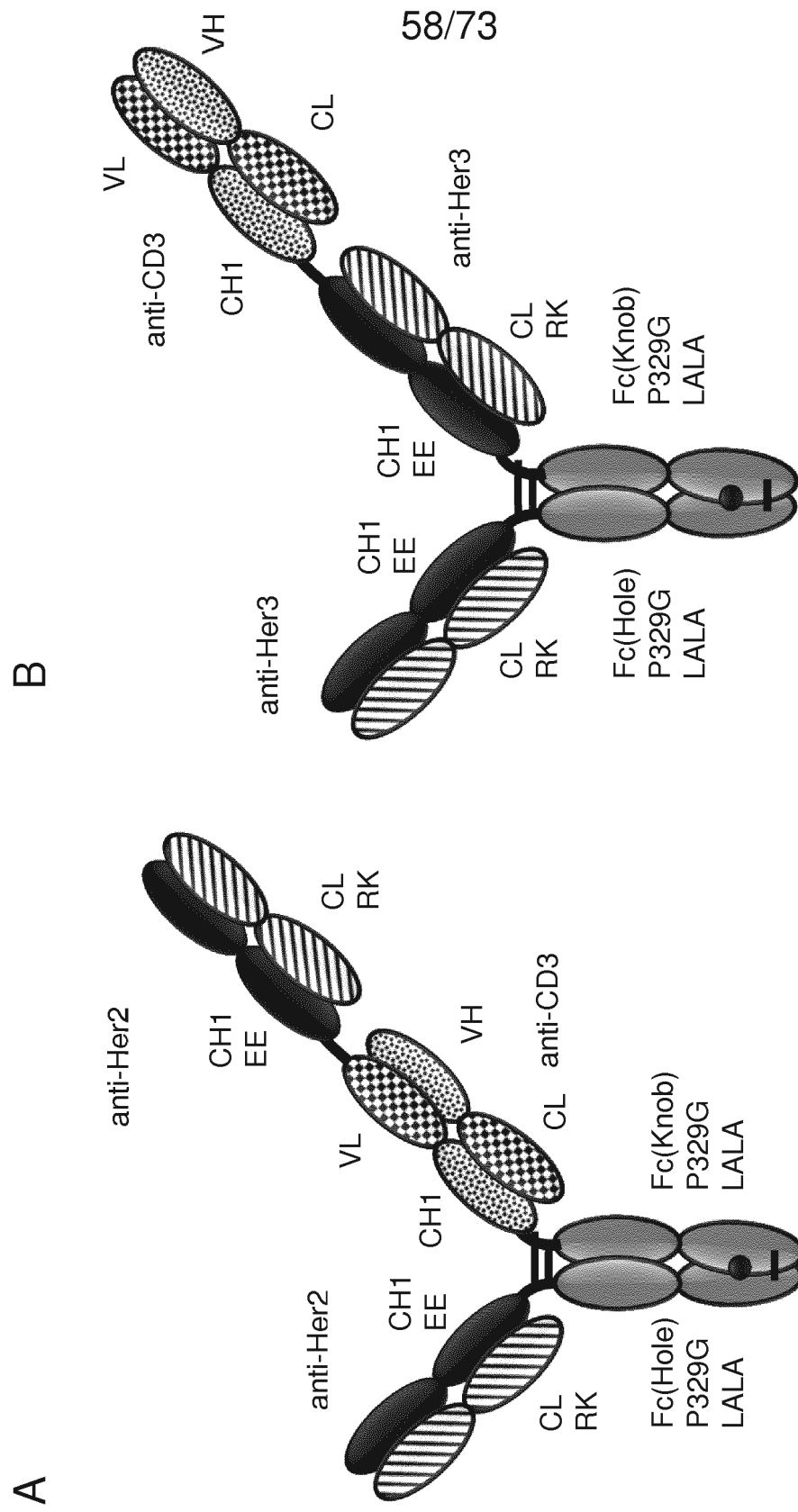
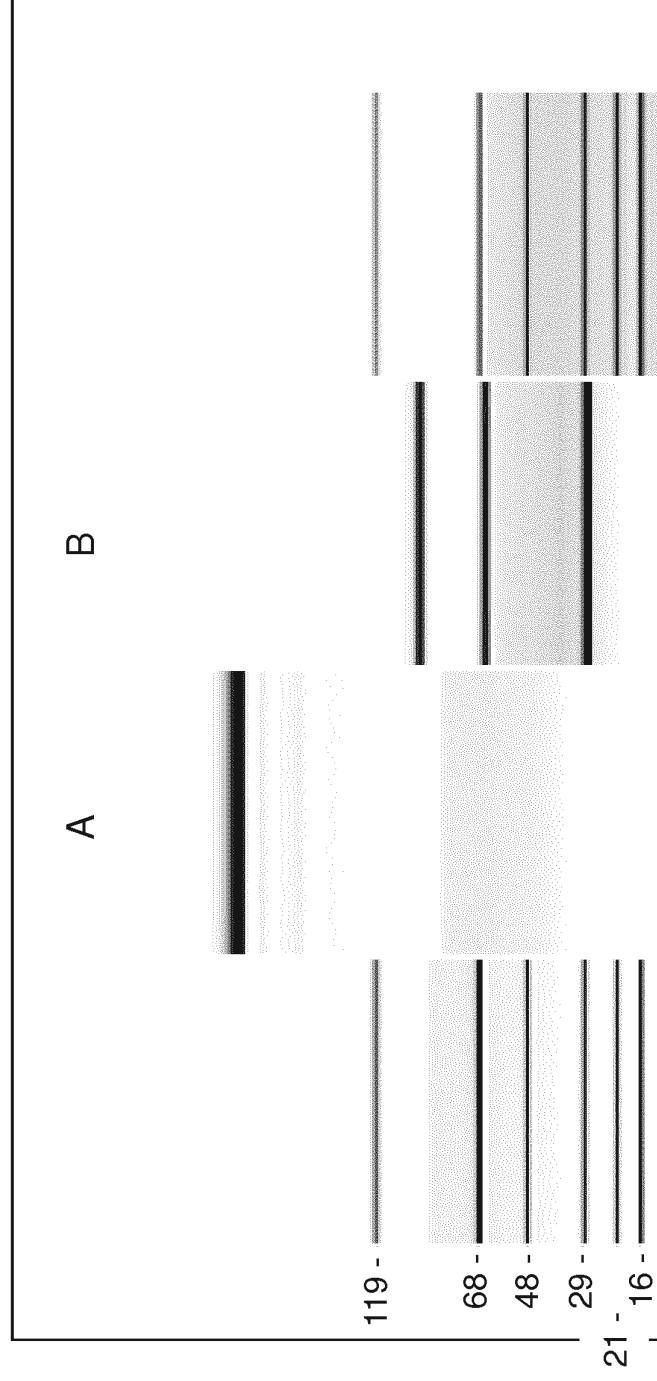


Figure 27

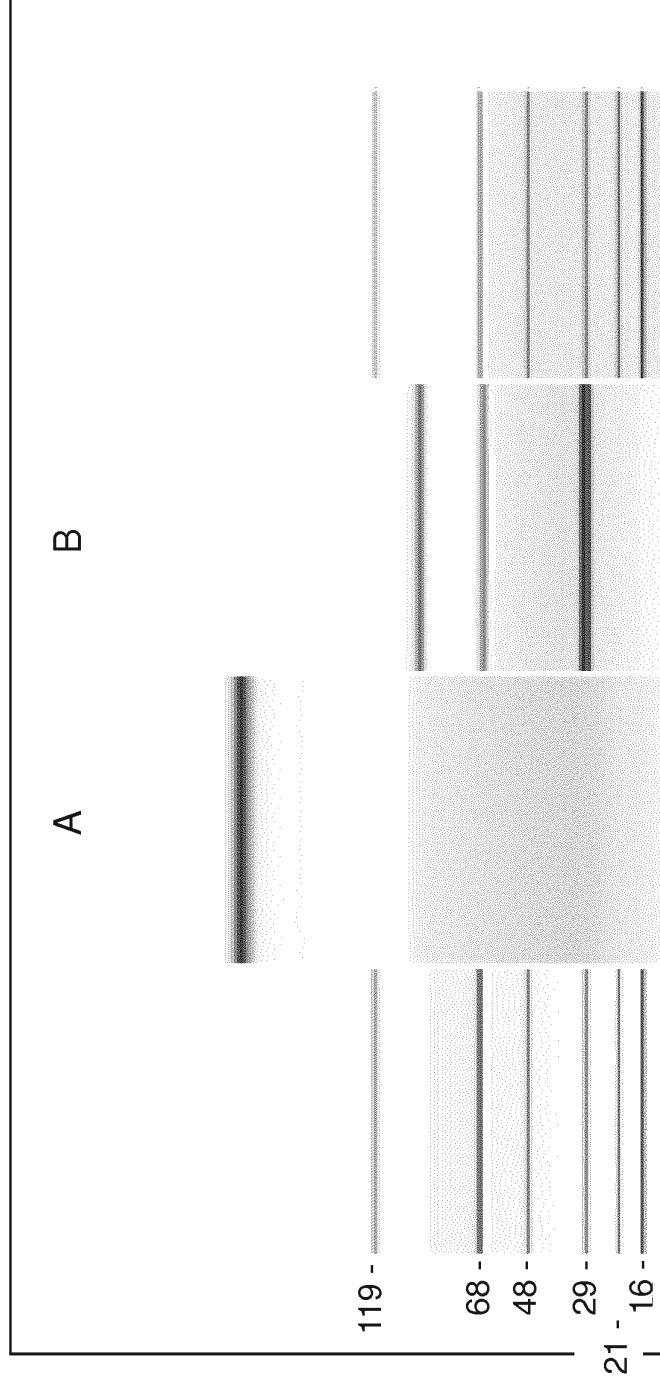
A



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Figure 28

B



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Figure 28

A

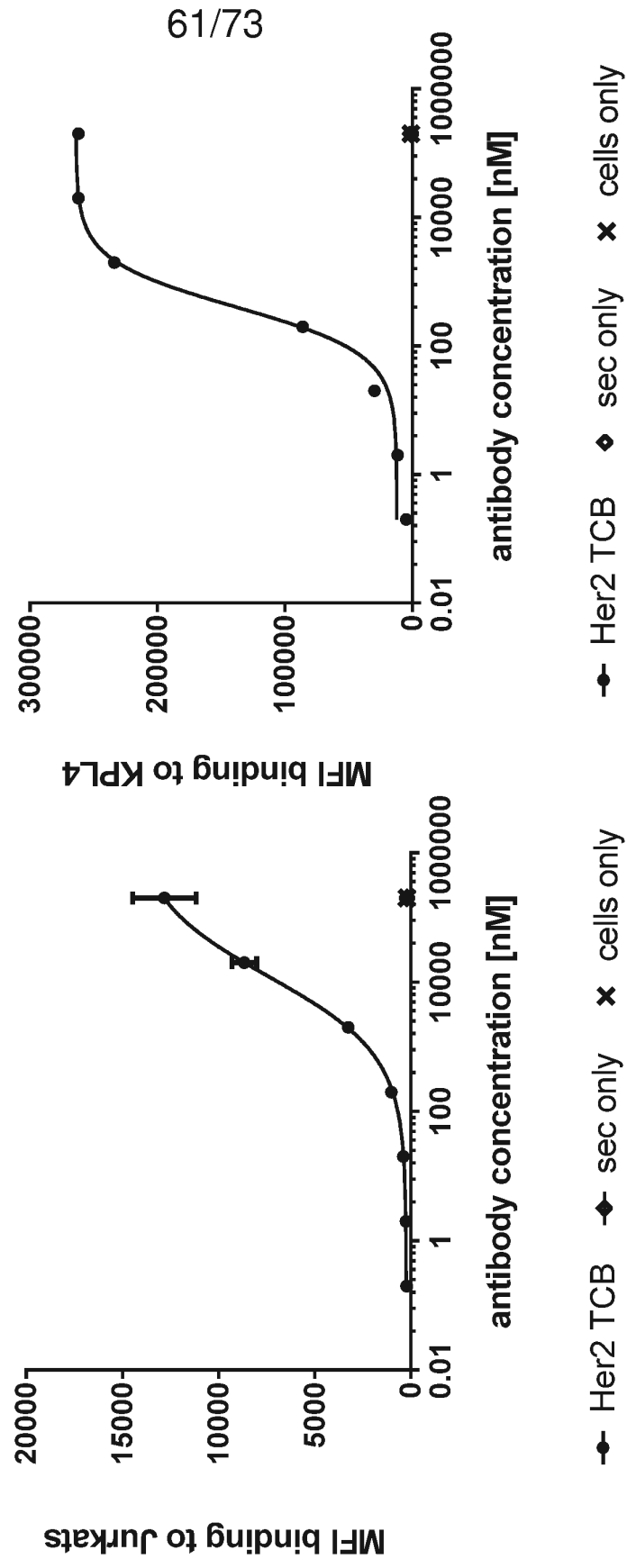


Figure 29

B

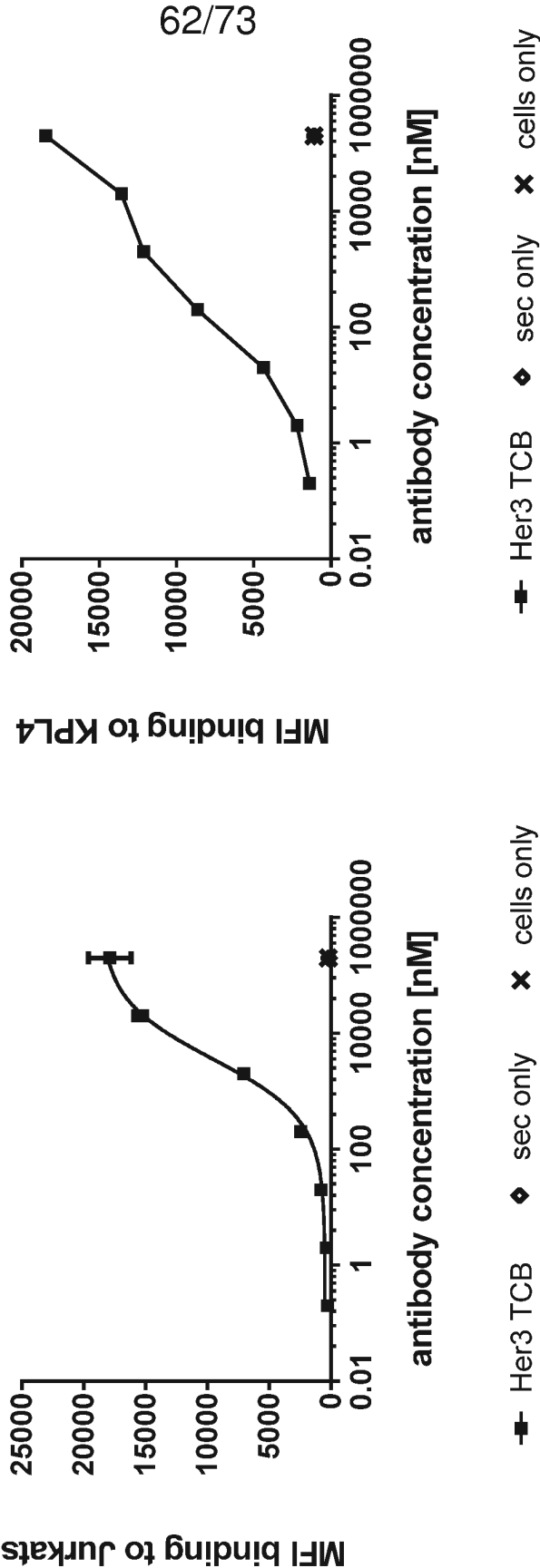


Figure 29

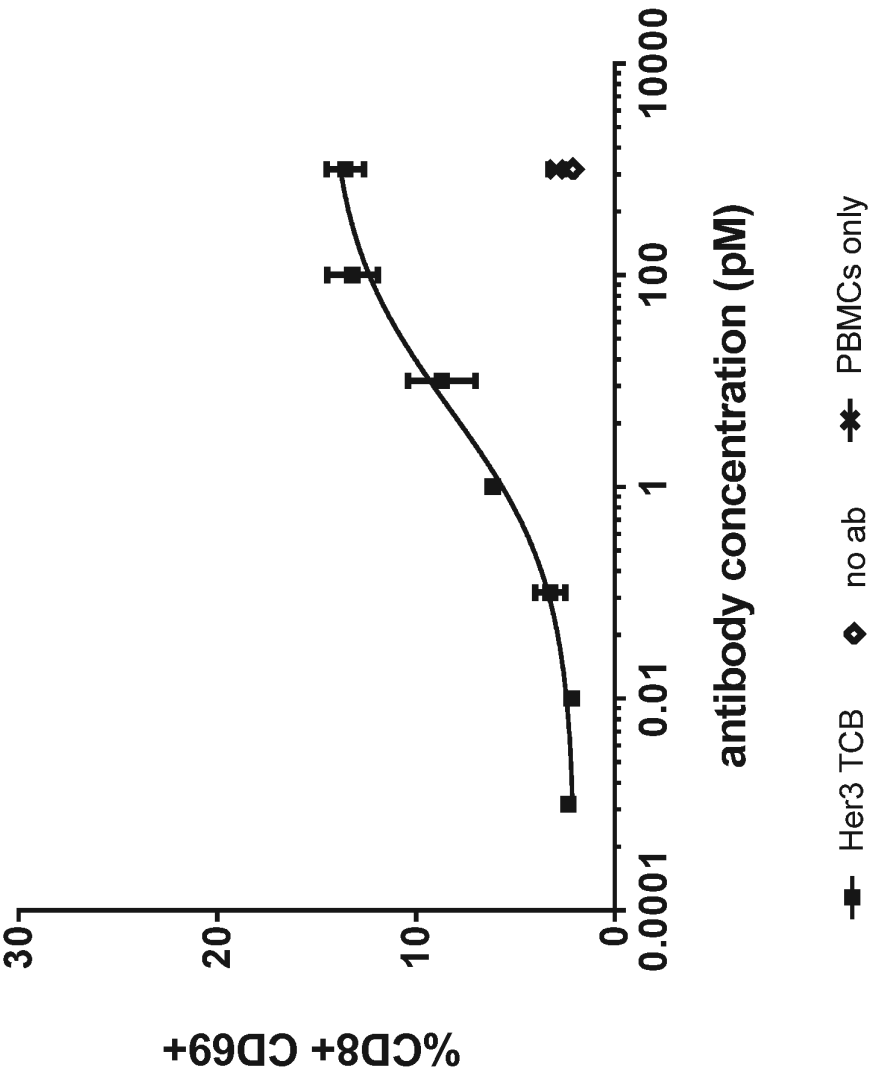
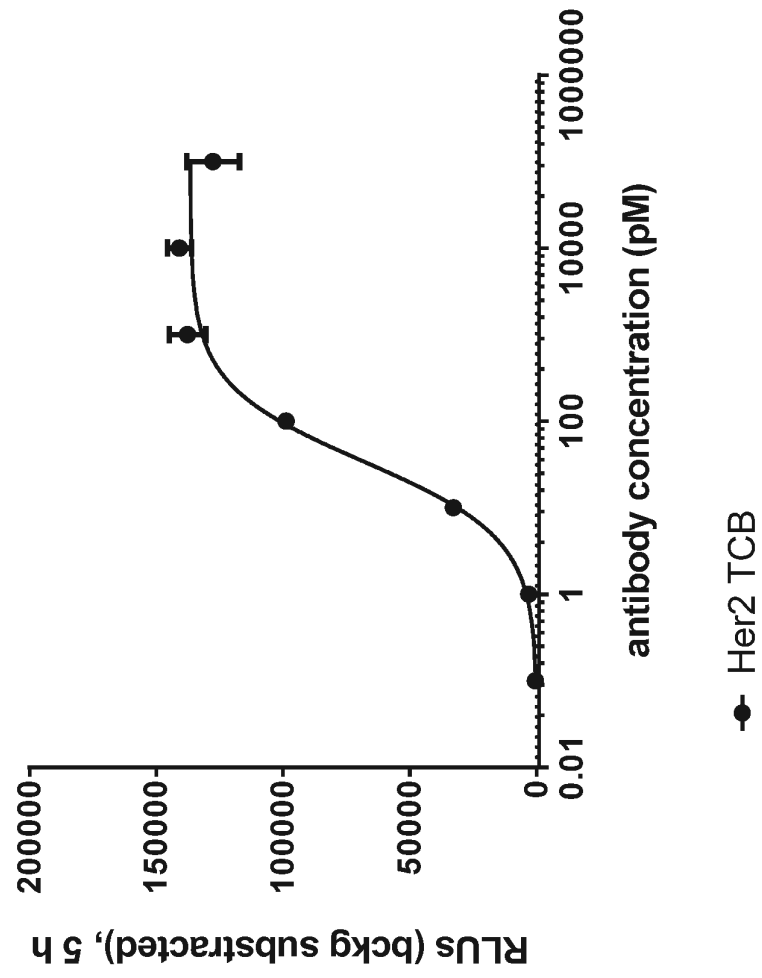


Figure 30

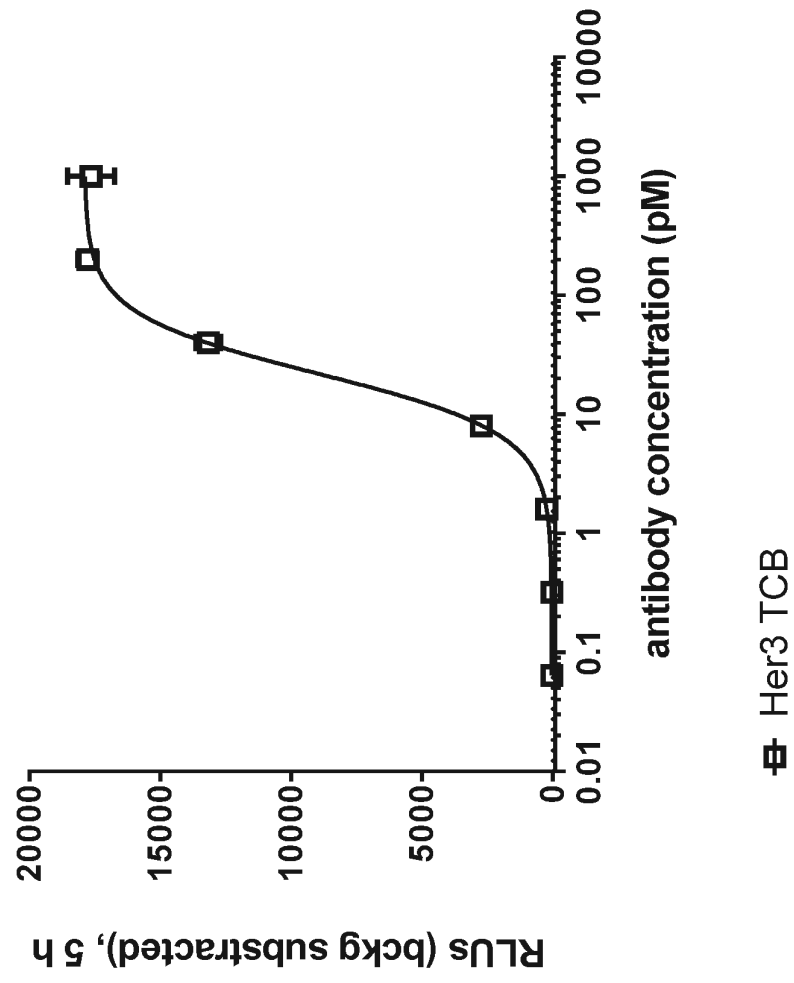
A



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Figure 31

B



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Figure 31

A

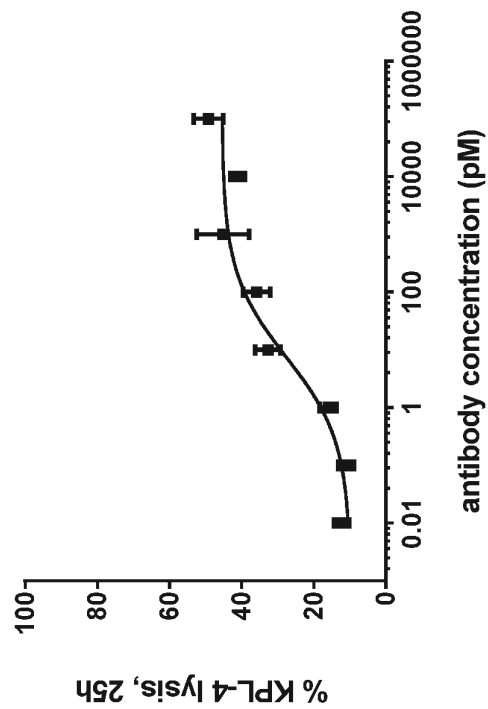
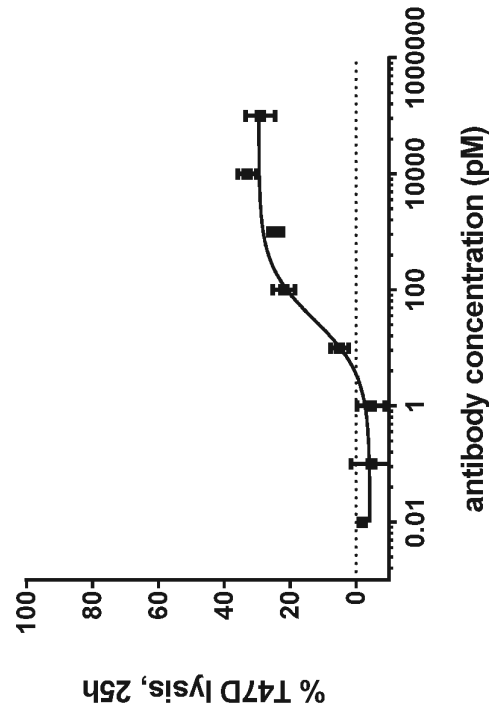
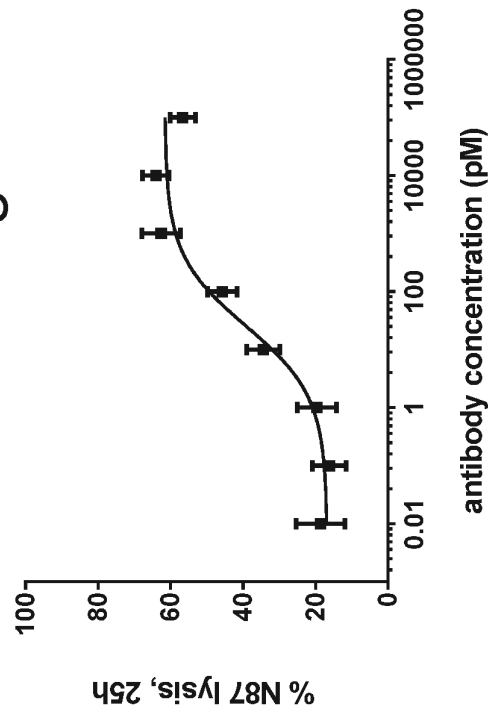
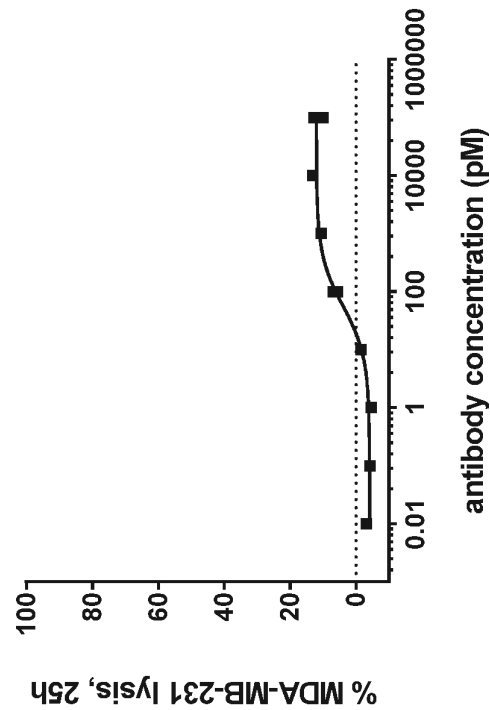


Figure 32



B

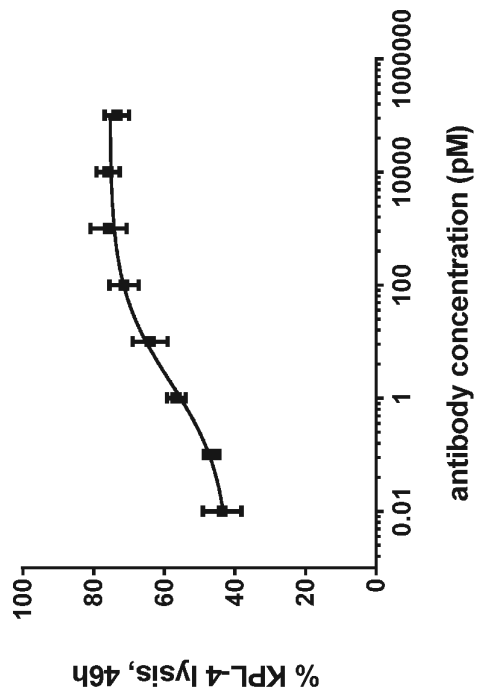
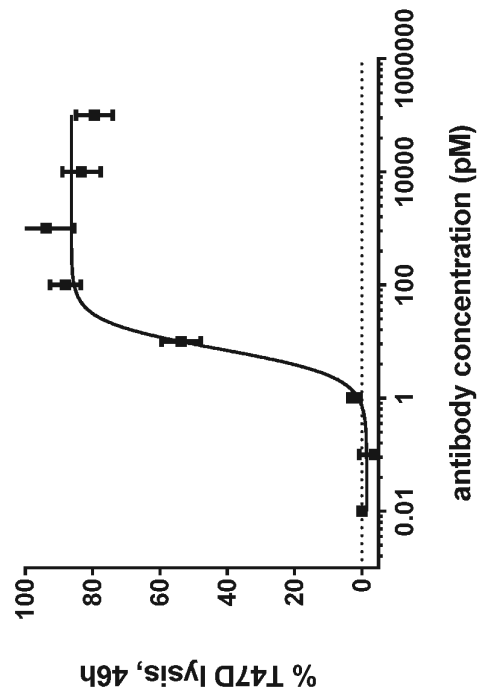
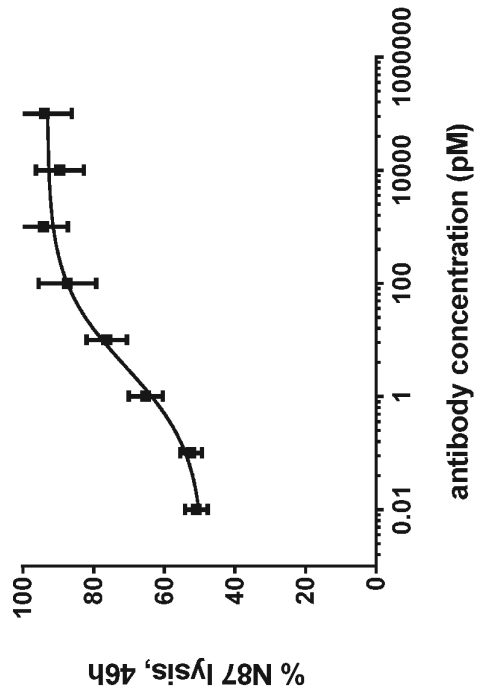
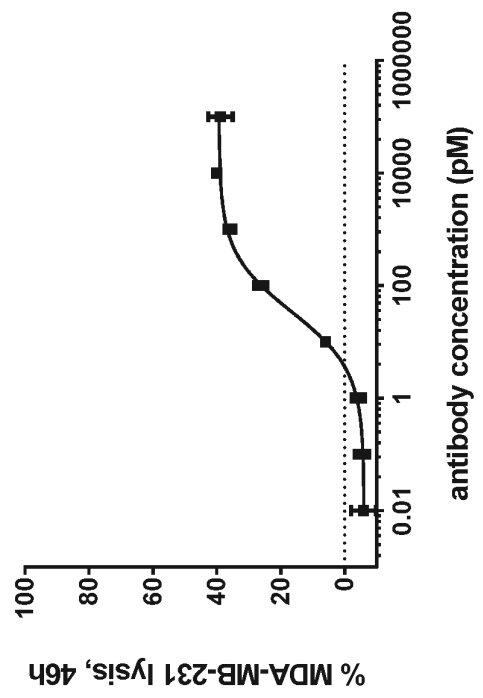
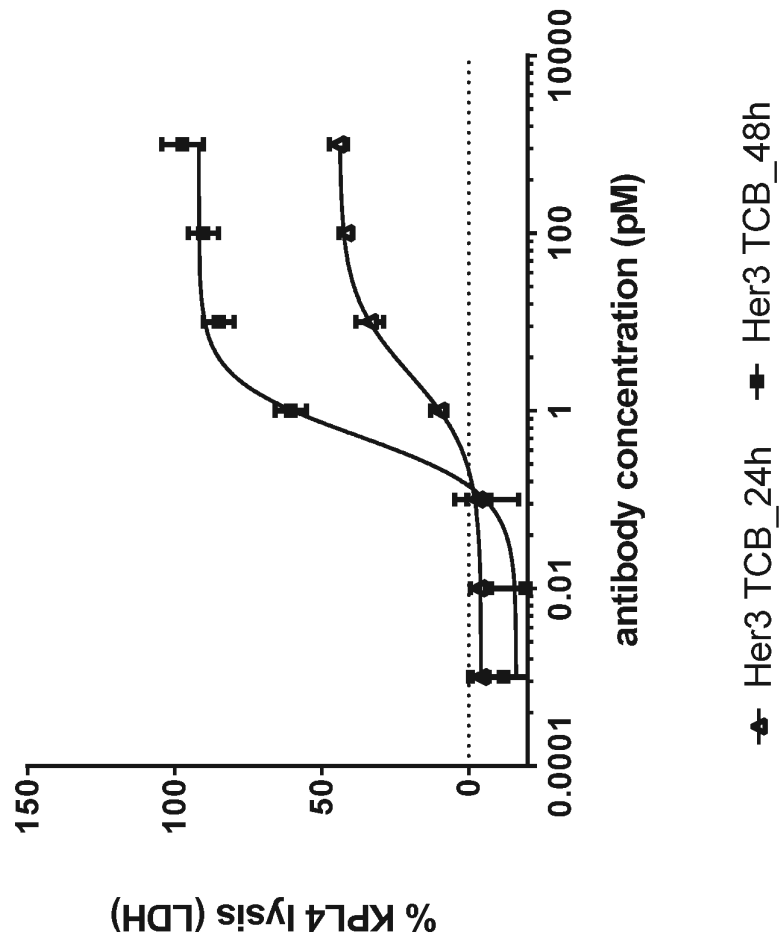


Figure 32

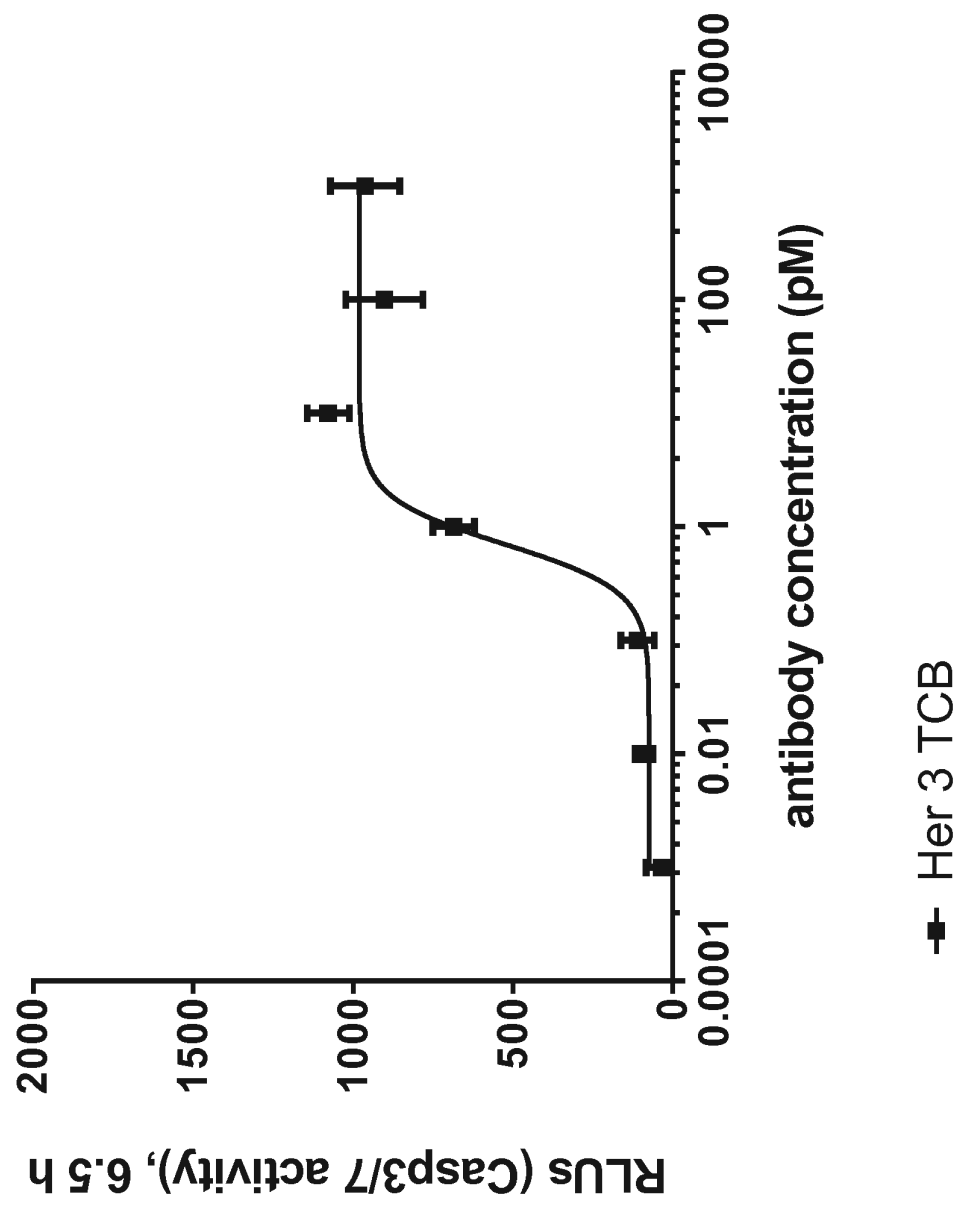


C



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Figure 32



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Figure 33

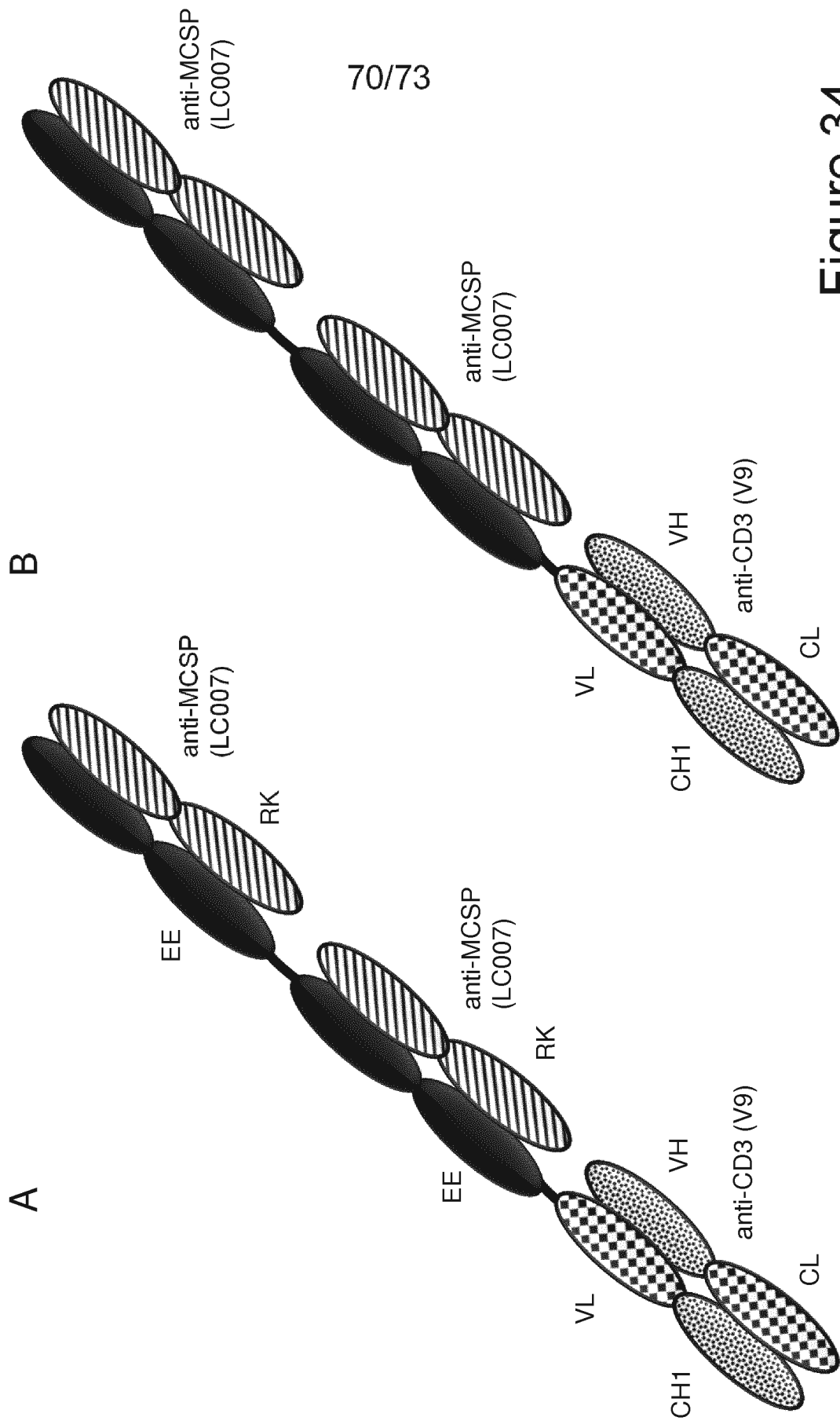


Figure 34

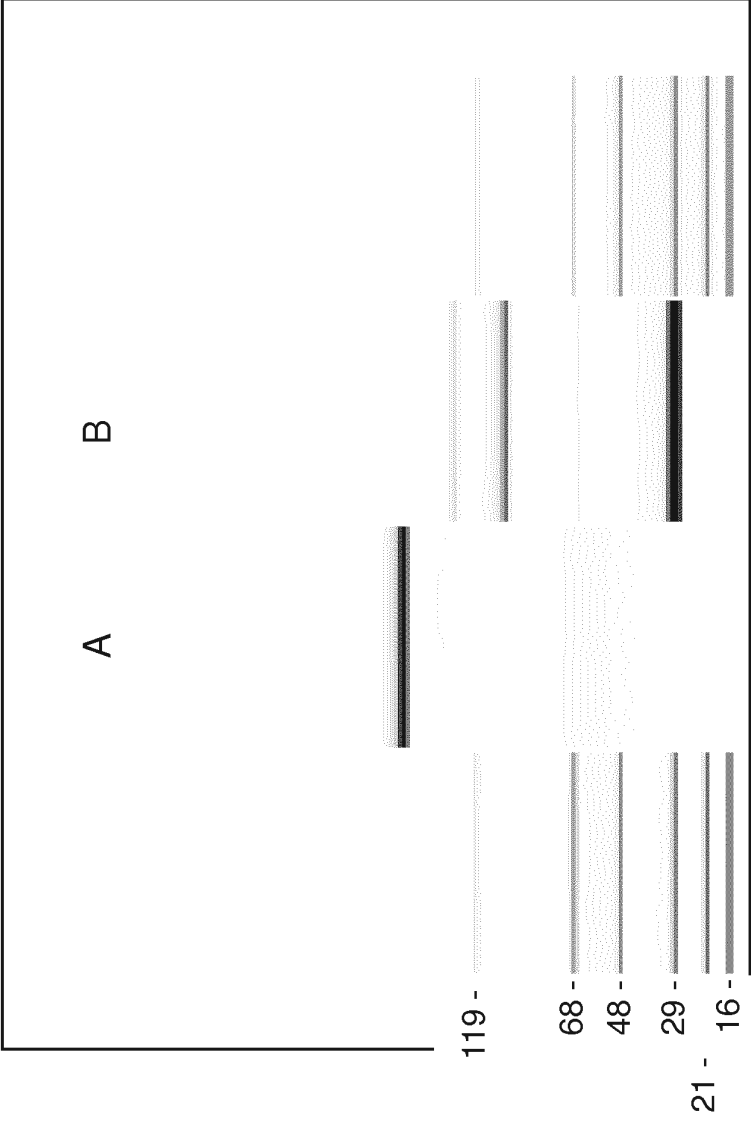


Figure 35

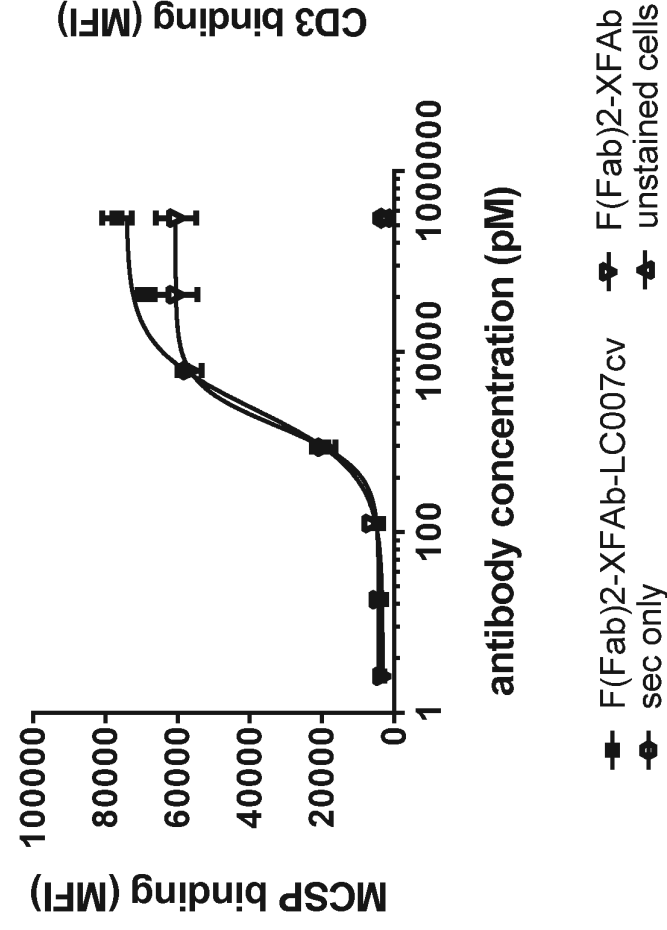
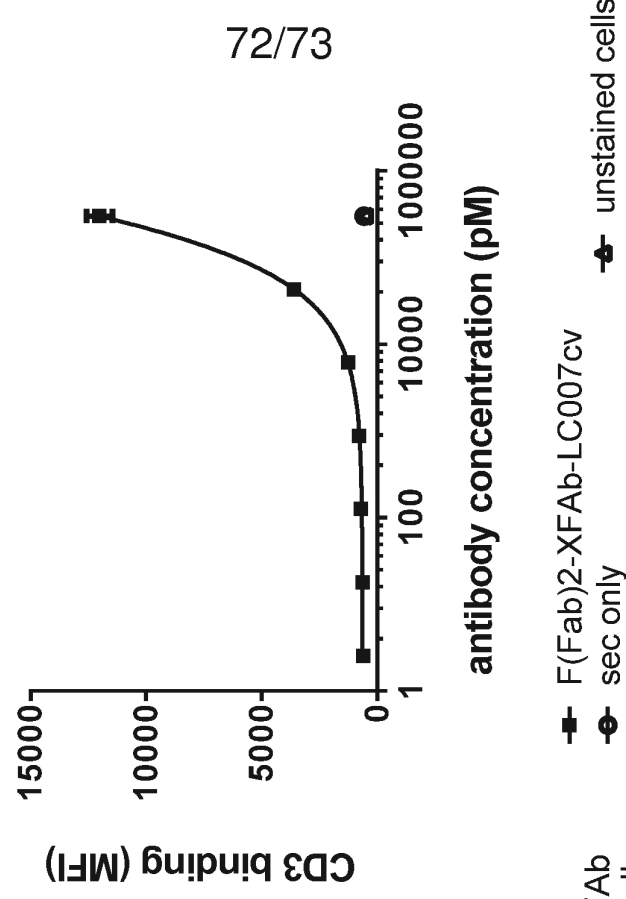


Figure 36

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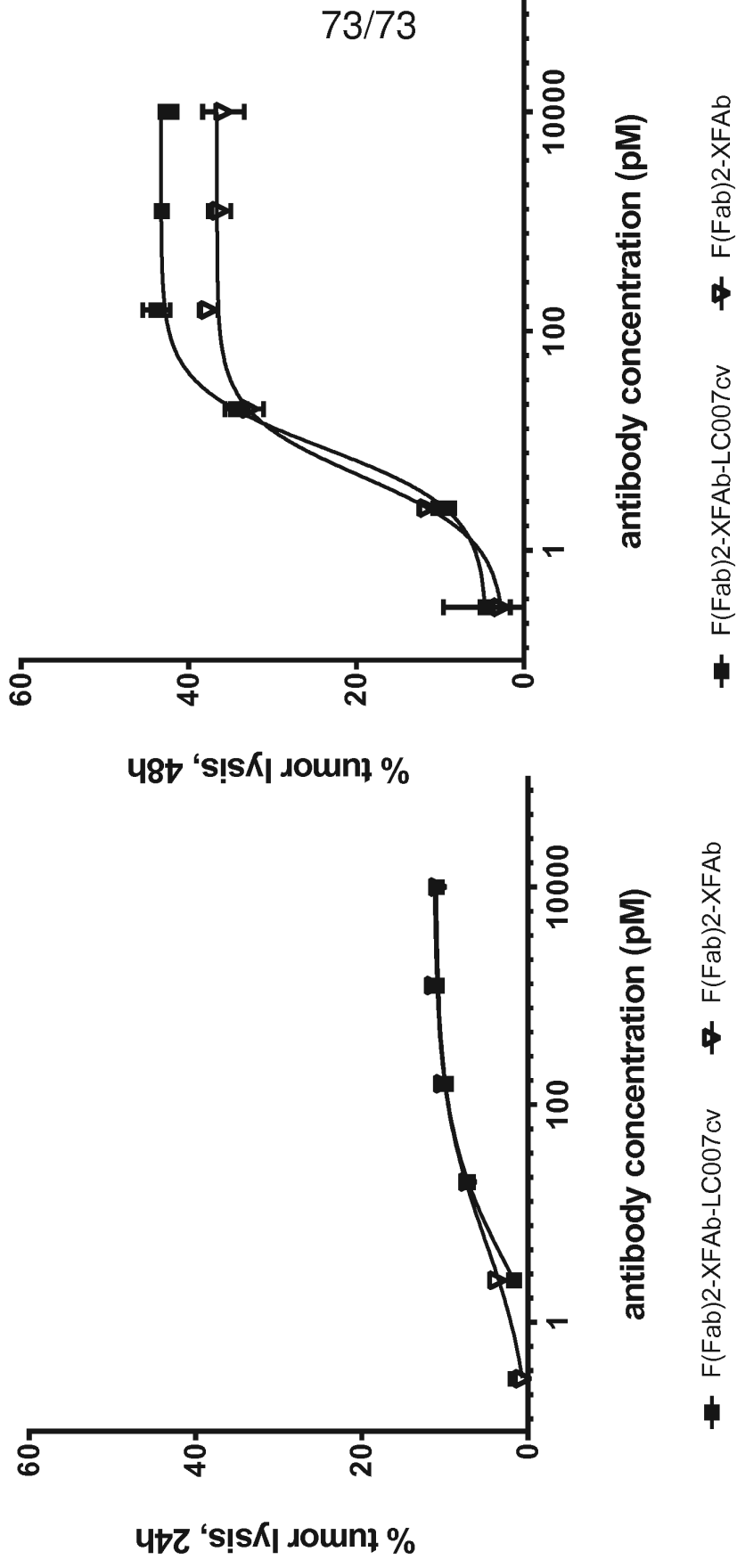


Figure 37