

1/87

Anti-CD73 CD73.4-1 VH

V segment: VH3 / 3-33

D segment: D6 / 6-13

J segment: JH3 / 3

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA
154	L	Y	D	G	S	N	K	Y	Y	P	D	S	V	K	G	R	F
	TTG	TAT	GAT	GGA	AGT	AAT	AAA	TAC	TAT	CCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGC	AGC	AGC
307	W	Y	P	D	S	F	D	I	W	G	Q	G	T	M	V	T	V
	TGG	TAC	CCT	GAT	TCT	TTT	GAT	ATC	TGG	GGC	CAA	GGA	ACA	ATG	GTC	ACC	GTC
358	S	S															
	TCT	TCA															

Fig. 1A

Anti-CD73 CD73.4-1 VK

V segment:		VK3 / L20											
J segment:		JK4 / 4											
1	E I V L T Q S P A T L S L S P G E	GAA ATT GTG TTG ACA CAG TCT CCA GCC ACC CTG TCT TTG TCT CCA GGG GAA											
52	R A T L S C R A S Q G G V S S Y L A	AGA GCC ACC CTC TCC TGC AGG GCC AGT CAG GGT GTT AGC AGC TAC TTA GCC											
103	W Y Q Q K P G Q A P R L L I Y D A	TGG TAC CAG CAG AAA CCT GGC CAG GCT CCC AGG CTC CTC ATC TAT GAT GCA											
154	S N R A T G I P A R F S S G P G	TCC AAC AGG GCC ACT GGC ATC CCA GCC AGG TTC AGT GGC AGT GGC CCT GGG											
205	T D F T L T I S S L E P E D F A V	ACA GAC TTC ACT CTC ACC ATC AGC AGC CTA GAG CCT GAA GAT TTT GCA GTT											
256	Y Y C Q Q R S N W H L T F G G T	TAT TAC TGT CAG CAG CAG CGT AGC AAC TGG CAT CTC ACT TTC GGC GGA GGG ACC											
307	K V E I K	AAG GTG GAG ATC AAA											

Fig. 1B

3/87

Anti-CD73 CD73.4-2 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH3 / 3

1	Q	V	Q	L	V	E	S	G	G	G	V	V	Q	P	G	R	S
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGA	GTG	GTG	CAG	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I
	CAC	TGG	GTG	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA
154	L	Y	D	G	S	N	K	Y	Y	P	D	S	V	K	G	R	F
	TTG	TAT	GAT	GGA	AGT	AAT	AAA	TAC	TAT	CCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGC	AGC	AGC
307	W	Y	P	D	S	F	D	I	W	G	Q	G	T	M	V	T	V
	TGG	TAC	CCT	GAT	TCT	TTT	GAT	ATC	TGG	GGC	CAA	GGA	ACA	ATG	GTC	ACC	GTC
358	S	S															
	TCT	TCA															

Fig. 2A

4/87

Anti-CD73 CD73.4-2 VK

V segment: VK1 / L15
J segment: JK4 / 4

1	D	I	Q	M	T	Q	S	P	S	S	S	L	S	A	S	V	G	D
	GAC	ATC	CAG	ATG	ACC	CAG	TCT	CCA	TCC	TCA	CTG	CTG	TCT	GCA	TCT	GTA	GGA	GAC
	CDR1																	
52	R	V	T	I	T	C	R	A	S	Q	G	I	S	S	W	L	A	
	AGA	GTC	ACC	ATC	ACT	TGT	CGG	GCG	AGT	CAG	GGT	ATT	AGC	AGC	TGG	TTA	GCC	
	CDR2																	
103	W	Y	Q	Q	K	P	E	K	A	P	K	S	L	I	Y	A	A	
	TGG	TAT	CAG	CAG	AAA	CCA	GAG	AAA	GCC	CCT	AAG	TCC	CTG	ATC	TAT	GCT	GCA	
	CDR3																	
154	S	S	L	Q	S	G	V	P	S	R	F	S	G	S	G	S	G	
	TCC	AGT	TTG	CAA	AGT	GGG	GTC	CCA	TCA	AGG	TTC	AGC	GGC	AGT	GGA	TCT	GGG	
	CDR3																	
205	T	D	F	T	L	T	I	S	S	L	Q	P	E	D	F	A	T	
	ACA	GAT	TTC	ACT	CTC	ACC	ATC	AGC	AGC	CTG	CAG	CCT	GAA	GAT	TTT	GCA	ACT	
	CDR3																	
256	Y	Y	C	Q	Q	Y	N	S	Y	P	L	T	F	G	G	G	T	
	TAT	TAC	TGC	CAA	CAG	TAT	AAT	AGT	TAC	CCT	CTC	ACT	TTC	GGC	GGA	GGG	ACC	
	CDR3																	
307	K	V	E	I	K													
	AAG	GTG	GAG	ATC	AAA													

Fig. 2B

5/87

Anti-CD73 11F11-1 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH3 / 3

1	Q	V	Q	L	V	E	S	G	G	G	G	V	V	Q	P	G	R	S
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTG	GTC	CAG	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	T	S	G	F	T	F	S	N	Y	G	M	
	CTG	AGA	CTC	TCC	TGT	GCA	ACG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	ATG	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A			
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA	
154	L	Y	D	G	S	N	K	Y	Y	P	D	S	V	K	G	R	F	
	TTG	TAT	GAT	GGA	AGT	AAT	AAA	TAC	TAT	CCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGC	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	S	
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGC	AGC	AGC	
307	W	Y	P	D	S	F	D	I	W	G	Q	G	T	M	V	T	V	
	TGG	TAC	CCT	GAT	TCT	TTT	GAT	ATC	TGG	GGC	CAA	GGA	ACA	ATG	GTC	ACC	GTC	
358	S	S																
	TCT	TCA																

Fig. 3A

[illegible]

Fig. 3B

7/87

Anti-CD73 11F11-2 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH3 / 3

1	Q	V	Q	L	V	E	S	G	G	G	V	Q	P	G	R	S
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	T	S	G	F	T	F	S	N	Y	G
	CTG	AGA	CTC	TCC	TGT	GCA	ACG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	I
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT
154	L	Y	D	G	S	N	K	Y	Y	P	D	S	V	K	G	F
	TTG	TAT	GAT	GGA	AGT	AAT	AAA	TAC	TAT	CCA	GAC	TCC	GTG	AAG	GGC	TTC
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	S
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AGC
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGC	AGC
307	W	Y	P	D	S	F	D	I	W	G	Q	G	T	M	V	V
	TGG	TAC	CCT	GAT	TCT	TTT	GAT	ATC	TGG	GGC	CAA	GGA	ACA	ATG	GTC	GTC
358	S	S														
	TCT	TCA														

Fig. 4A

8/87

Anti-CD73 11F11-2 VK

V segment: VK1 / L15
J segment: JK4 / 4

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1      D I Q M T Q S P S L S A S V G D
   GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC

52     R V T I T C R A S Q G I S S W L A
   AGA GTC ACC ATC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGA GGC

103    W Y Q Q K P E K A P K S L I Y A A
   TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA

154    S S L Q Q S G V P S R F S G S G
   TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG

205    T D F T L T I S S L Q P E D F A T
   ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT

256    Y Y C Q Q Y N S Y P L T F G G T
   TAT TAC TGC CAA CAG TAT AAT AGT TAC CCT CTC ACT TTC GGC GGA GGG ACC

307    K V E I K
   AAG GTG GAG ATC AAA

```

Fig. 4B

Anti-CD73 4C3-1 VH

V segment: VH3 / 3-09
D segment: D3 / 3-9
J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	R	S
	GAA	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	TTG	GTA	CAG	CCT	GGC	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	D	D	Y	A	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTT	GAT	GAT	TAT	GCC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	S	G	I
	CAC	TGG	GTC	CGG	CAA	GCT	CCA	GGG	AAG	GGC	CTG	GAG	TGG	GTC	TCA	GGT	ATT
154	S	W	K	S	G	S	I	G	Y	A	D	S	V	K	G	R	F
	AGT	TGG	AAG	AGT	GGT	AGC	ATA	GGC	TAT	GCG	GAC	TCT	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	A	K	N	S	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	TCC	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	A	E	D	T	A	L	Y	Y	C	V	K	G	Y	Y	V
	CTG	AGA	GCT	GAG	GAC	ACG	GCC	TTG	TAT	TAC	TGT	GTA	AAA	GGG	TAT	TAC	GTT
307	I	L	T	G	L	D	Y	W	G	Q	G	T	L	V	T	V	S
	ATT	TTG	ACT	GGC	CTT	GAC	TAC	TGG	GGC	CAG	GGA	ACC	CTG	GTC	ACC	GTC	TCC
358	S																
	TCA																

Fig. 5A

VK3 / A27
JK4 / 4[illegible]

Fig. 5B

11/87

Anti-CD73 4C3-2 VH

V segment: VH3 / 3-09
 D segment: D3 / 3-9
 J segment: JH4 / 4

1	E	V	Q	L	S	E	S	G	G	G	G	L	V	Q	P	G	R	S
	GAA	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	TTG	GTA	CAG	CCT	GGC	AGG	TCC	
52	L	R	L	S	C	A	A	S	G	F	T	F	D	D	Y	A	M	
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTT	GAT	GAT	TAT	GCC	ATG	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	S	G	I	
	CAC	TGG	GTC	CGG	CAA	GCT	CCA	GGG	AAG	GGC	CTG	GAG	TGG	GTC	TCA	GGT	ATT	
154	S	W	K	S	G	S	I	G	Y	A	D	S	V	K	G	R	F	
	AGT	TGG	AAG	AGT	GGT	AGC	ATA	GGC	TAT	GCG	GAC	TCT	GTG	AAG	GGC	CGA	TTC	
205	T	I	S	R	D	N	A	K	N	S	L	Y	L	Q	M	N	S	
	ACC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	TCC	CTG	TAT	CTG	CAA	ATG	AAC	AGT	
256	L	R	A	E	D	T	A	L	Y	Y	C	V	K	G	Y	Y	V	
	CTG	AGA	GCT	GAG	GAC	ACG	GCC	TTG	TAT	TAC	TGT	GTA	AAA	GGG	TAT	TAC	GTT	
307	I	L	T	G	L	D	Y	W	G	Q	G	T	L	V	T	V	S	
	ATT	TTG	ACT	GGC	CTT	GAC	TAC	TGG	GGC	CAG	GGA	ACC	CTG	GTC	ACC	GTC	TCC	
358	S																	
	TCA																	

Fig. 6A

12/87

Anti-CD73 4C3-2 VK

V segment: VK1 / L15
 J segment: JK1 / 1

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      1   D I Q M T Q S P S L S A S V G D
      GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC

      52   R V T F T C R A S Q G G I S S W L A
      AGA GTC ACC TTC ACT TGT CGG GCG AGT AGT ATT AGC AGC TGG TTA GCC

      103  W Y Q Q K P E K A P K S L I Y A A
      TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA

      154   S S L Q Q S G V P S R F S G S G
      TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG

      205   T D F T L T I S S L Q P E D F A T
      ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT

      256   Y Y C Q Q Y N S Y P P T F G Q G T
      TAT TAC TGC CAA CAG TAT AAT AGT TAC CCT CCA ACG TTC GGC CAG GGG ACC

      307   K V E I K
      AAG GTG GAA ATC AAA
  
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_CDR1
 _CDR2
 _CDR3

Fig. 6B

Anti-CD73 4C3-3 VH

V segment: VH3 / 3-09
D segment: D3 / 3-9
J segment: JH4 / 4

1	E GAA	V GTG	Q CAG	L CTG	V GTG	E GAG	S TCT	G GGG	G GGA	G GGC	L TTG	V GTA	Q CAG	P CCT	G GGC	R AGG	S TCC
52	L CTG	R AGA	L CTC	S TCC	C TGT	A GCA	A GCC	S TCT	G GGA	F TTC	T ACC	F TTT	D GAT	D GAT	Y TAT	A GCC	M ATG
103	H CAC	W TGG	V GTC	R CGG	Q CAA	A GCT	P CCA	G GGG	K AAG	G GGC	L CTG	E GAG	W TGG	V GTC	S TCA	G GGT	I ATT
154	S AGT	W TGG	K AAG	S AGT	G GGT	S AGC	I ATA	G GGC	Y TAT	A GCG	D GAC	S TCT	V GTG	K AAG	G GGC	R CGA	F TTC
205	T ACC	I ATC	S TCC	R AGA	D GAC	N AAC	A GCC	K AAG	N AAC	S TCC	L CTG	Y TAT	L CTG	Q CAA	M ATG	N AAC	S AGT
256	L CTG	R AGA	A GCT	E GAG	D GAC	T ACG	A GCC	L TTG	Y TAT	Y TAC	C TGT	V GTA	K AAA	G GGG	Y TAT	Y TAC	V GTT
307	I ATT	L TTG	T ACT	G GGC	L CTT	D GAC	Y TAC	W TGG	G GGC	Q CAG	G GGA	T ACC	L CTG	V GTC	T ACC	V GTC	S TCC
358	S TCA																

Fig. 7A

Anti-CD73 4C3-3 VK

		VK1 / L15	
V segment:		JK1 / 1	
J segment:			
1	D I Q M T Q S P S L S A S V G D		
	GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC		
		CDR1	
52	R V T F T C R A S Q G I S S W L A		
	AGA GTC ACC TTC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGG TTA GCC		
		CDR2	
103	W Y Q Q K P E K A P K S L I Y A A		
	TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA		
154	S S L Q Q S G V P S R F S G S G G		
	TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG		
205	T D F T L T I S S L Q P E D F A T		
	ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT		
		CDR3	
256	Y Y C Q Q Q Y N S Y P P T F G Q G T		
	TAT TAC TGC CAA CAG CAG TAT AAT AGT TAC CCT CCA ACG TTC GGC CAA GGG ACC		
307	K V E I K		
	AAG GTG GAA ATC AAA		

Fig. 7B

15/87

Anti-CD73 4D4-1 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH3 / 3

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1      Q V Q L V E S G G G G G V V Q P G R S
   CAG GTG CAG CTG GTG GAG TCT GCG GGA GGC GTG GTC CAG CCT GGG AGG TCC

52     L R L S C A A S G G F T F S N Y G M
   CTG AGA CTC TCC TGT GCA GCG TCT GGA TTC ACC TTC AGT AAC TAT GGC ATG

103    H W V R Q A P G G K G L E W V A V I
   CAC TGG GTC CGC CAG CAG GCT CCA GGC AAG GGG CTG GAG TGG GTG GCA GTT ATA

154    W Y D E S N K Y Y A D S V K G R F
   TGG TAT GAT GAA AGT AAT AAA TAC TAT GCA GAC TCC GTG AAG GGC CGA TTC

205    T I S R D N S K N T L F L Q M N S
   ACC ATC TCC AGA GAC AAT TCC AAG AAC ACG CTG TTT CTG CAA ATG AAC AGC

256    L R A E D T A V Y Y C A R G Y N S
   CTG AGA GCC GAG GAC ACG GCT GTG TAT TAT TGT GCG AGA GGC TAT AAC AGC

307    R W Y P D A F D I W G Q G T M V T
   AGG TGG TAC CCT GAT GCT TTT GAT ATC TGG GGC CAA GGC ACA ATG GTC ACC

358    V S S
   GTC TCT TCA

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Fig. 8A

16/87

Anti-CD73 4D4-1 VK

V segment: VK1 / L15
 J segment: JK4 / 4

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1   D I Q M T Q S P S S L S A S V G D
    GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC

52  R V T I T C R A S Q G G I S S W L A
    AGA GTC ACC ATC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TTA GCC

103 W Y Q Q K P E K A P K S L I Y A A
    TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA

154 S S L Q Q S G V P S S R F S G S G
    TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG

205 T D F T L T I S S L Q P E D F A T
    ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT

256 Y Y C Q Q Q Y N S Y P L T F G G T
    TAT TAC TGC CAA CAG CAG TAT AAT AGT TAC CCG CTC ACT TTC GGC GGA GGG ACC

307 K V E I K
    AAG GTG GAG ATC AAA
  
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_CDR1
 _CDR2
 _CDR3

Fig. 8B

17/87

Anti-CD73 10D2-1 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH6 / 6

1	Q	V	Q	L	V	E	S	G	G	G	V	Q	P	G	R	S	
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CAG	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	L
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	CTG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA
154	R	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F
	CGG	TAT	GAT	GGA	AGT	AAT	AAA	TAC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	S	S
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AGC	AGC
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGG	GGG	GGC	AGC	AGC
307	W	Y	P	D	G	L	D	V	W	G	Q	G	T	T	V	T	V
	TGG	TAC	CCG	GAC	GGT	TTG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	GTC	ACC	GTC
358	S	S															
	TCC	TCA															

Fig. 9A

18/87

Anti-CD73 10D2-1 VK

		V segment: VK1 / L18	
		J segment: JK4 / 4	
1	A I Q L T Q S P S S L S A S V G D		
	GCC ATC CAG TTG ACC CAG TCT CCA TCC TCC CTG TCT GCA TCT GTA GGA GAC		
52	R V T I T C R A S Q G G I S S A L A	—CDR1—	
	AGA GTC ACC ATC ACT TGC CGG GCA AGT CAG GGC ATT AGC AGT GCT TTA GCC		
103	W Y Q Q K P G K A P K L L I Y D A		—CDR2—
	TGG TAT CAG CAG AAA CCA GGG AAA GCT CCT AAG CTC CTG ATC TAT GAT GCC		
154	S S L E S G V P S R F S G S G		
	TCC AGT TTG GAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG		
205	T D F T L T I S S L Q P E D F A T		
	ACA GAT TTC ACT CTC ACC ATC AGC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT		
256	Y Y C Q Q F N S Y P T F G G T K	—CDR3—	
	TAT TAC TGT CAA CAG TTT AAT AGT TAC CCC ACT TTC GGC GGA GGG ACC AAG		
307	V E I K		
	GTG GAG ATC AAA		

Fig. 9B

19/87

Anti-CD73 10D2-2 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH6 / 6

1	Q	V	Q	L	V	E	S	G	G	G	G	V	V	Q	P	G	R	S
	CAG	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTG	GTC	CAG	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G	L	
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC	CTG	
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	V	I	
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT	ATA	
154	R	Y	D	G	S	N	K	Y	Y	A	D	S	V	K	G	R	F	
	CGG	TAT	GAT	GGA	AGT	AAT	AAA	TAC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA	TTC	
205	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	S	S	
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AGC	AGC	
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	G	S	S	
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGG	GGG	GGC	AGC	AGC	
307	W	Y	P	D	G	L	D	V	W	G	Q	G	T	T	V	T	V	
	TGG	TAC	CCG	GAC	GGT	TTG	GAC	GTC	TGG	GGC	CAA	GGG	ACC	ACG	GTC	ACC	GTC	
358	S	S																
	TCC	TCA																

Fig. 10A

Anti-CD73 10D2-2 VK

	V segment:		VK1 / L15	
	J segment:		JK4 / 4	
1	D I Q M T Q S P S L S A S V G D			
	GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC			
		CDR1		
52	R V T I T C R A S Q G I S S W L A			
	AGA GTC ACC ATC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGG TTA GCC			
		CDR2		
103	W Y Q Q K P E K A P K S L I Y A A			
	TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA			
154	S S L Q S G V P S R F S G S G			
	TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG			
205	T D F T L T I S S L Q P E D F A T			
	ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT			
		CDR3		
256	Y Y C Q Q Y N S Y P L T F G G T			
	TAT TAC TGC CAA CAG TAT AAT AGT TAC CCG CTC ACT TTC GGC GGA GGG ACC			
307	K V E I K			
	AAG GTG GAG ATC AAA			

Fig. 10B

21/87

Anti-CD73 11A6-1 VH

V segment: VH3 / 3-09
 D segment: D3 / 3-9
 J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	N	L	V	Q	P	G	R	S
	GAA	GTG	CAG	CTG	GTG	GAA	TCT	GGG	GGA	AAC	TTG	GTA	CAG	CCT	GGC	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	D	D	Y	A	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTT	GAT	GAT	TAT	GCC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	S	G	I
	CAC	TGG	GTC	CGG	CAA	GCT	CCA	GGG	AAG	GGC	CTG	GAG	TGG	GTC	TCA	GGT	ATT
154	S	W	N	N	N	D	I	G	Y	A	D	S	V	K	G	R	F
	AGT	TGG	AAT	AAT	AAT	GAC	ATA	GGC	TAT	GCG	GAC	TCT	GTG	AAG	GGC	CGA	TTC
205	I	I	S	R	D	N	A	K	N	S	L	Y	L	Q	M	N	S
	ATC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	TCC	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	P	E	D	T	A	L	Y	Y	C	V	K	G	Y	Y	V
	CTG	AGA	CCT	GAG	GAC	ACG	GCC	TTG	TAT	TAT	TGT	GTA	AAA	GGT	TAT	TAC	GTT
307	I	L	T	G	L	D	Y	W	G	Q	G	T	P	V	T	V	S
	ATT	TTG	ACT	GGT	CTT	GAC	TAC	TGG	GGC	CAG	GGA	ACC	CCG	GTC	ACC	GTC	TCC
358	S																
	TCA																

Fig. 11A

22/87

Anti-CD73 11A6-1 VK

V segment:		VK1 / L15	
J segment:		JK4 / 4	
1	D I Q M T Q S P S S L S A S V G D		
	GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC		
52	R V T I T C R A S Q G I S S W L A	—CDR1—	
	AGA GTC ACC ATC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGG TTA GCC		
103	W Y Q Q K P E K A P K S L I Y A A		—CDR2—
	TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA		
154	S S L Q S G V P S R F S G S G		
	TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG		
205	T D F T L T I S S L Q P E D F A T		
	ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT		
256	Y Y C Q Q Y N S Y P L T F G G T	—CDR3—	
	TAT TAC TGC CAA CAG TAT AAT AGT TAC CCG CTC ACT TTC GGC GGA GGG ACC		
307	K V E I K		
	AAG GTG GAG ATC AAA		

Fig. 11B

23/87

Anti-CD73 24H2-1 VH

V segment: VH3 / 3-33
 D segment: D6 / 6-13
 J segment: JH3 / 3

1	Q	V	Q	L	V	E	S	G	G	G	V	Q	P	G	R	S
	CAG	GTG	CAA	CTG	GTG	GAG	TCT	GGG	GGA	GGC	GTG	GTC	CCT	GGG	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	N	Y	G
	CTG	AGA	CTC	TCC	TGT	GCA	GCG	TCT	GGA	TTC	ACC	TTC	AGT	AAC	TAT	GGC
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	A	I
	CAC	TGG	GTC	CGC	CAG	GCT	CCA	GGC	AAG	GGG	CTG	GAG	TGG	GTG	GCA	GTT
154	W	Y	D	C	G	N	K	Y	Y	A	D	S	V	K	G	F
	TGG	TAT	GAT	GGA	GGT	AAT	AAA	TAC	TAT	GCA	GAC	TCC	GTG	AAG	GGC	CGA
205	T	I	S	R	D	N	S	K	N	T	L	F	L	Q	M	N
	ACC	ATC	TCC	AGA	GAC	AAT	TCC	AAG	AAC	ACG	CTG	TTT	CTG	CAA	ATG	AAC
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	G	S	S
	CTG	AGA	GCC	GAA	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCG	AGA	GGG	GGC	AGC
307	W	Y	P	D	A	F	D	I	W	G	Q	G	T	M	V	T
	TGG	TAC	CCT	GAT	GCT	TTT	GAT	ATC	TGG	GGC	CAA	GGG	ACA	ATG	GTC	ACC
358	S	S														
	TCT	TCA														

Fig. 12A

Anti-CD73 24H2-1 VK

V segment:		VK1 / L15	
J segment:		JK4 / 4	
1	D I Q M T Q S P S S L S A S V G D		
	GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC		
CDR1			
52	R V T I T C R A S Q G I S S W L A		
	AGA GTC ACC ATC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGG TTA GCC		
CDR2			
103	W Y Q Q K P E K A P K S L I Y A A		
	TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA		
CDR3			
154	S S L Q S G V P S R F S S G S G		
	TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG		
205	T D F T L T I S S L Q P E D F A T		
	ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT		
CDR3			
256	Y Y C Q Q Y N S Y P L T F G G T		
	TAT TAC TGC CAA CAG TAT AAT AGT TAC CCT CTC ACT TTC GGC GGA GGG ACC		
307	K V E I K		
	AAG GTG GAG ATC AAA		

Fig. 12B

25/87

Anti-CD73 5F8-1 VH

V segment: VH3 / 3-74
 D segment: D6 / 6-19
 J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S
	GAG	GTG	CAG	CTG	GTG	GAG	TCC	GGG	GGA	GGC	TTA	GTT	CAG	CCT	GGG	GGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	S	Y	W	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAC	TGG	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	V	W	V	S	R	I
	CAC	TGG	GTC	CGC	CAA	GCT	CCA	GGG	AAG	GGG	CTG	GTG	TGG	GTC	TCA	CGT	ATT
154	I	S	D	G	S	S	T	G	Y	A	D	S	V	K	G	R	F
	ATT	AGT	GAT	GGG	AGT	AGC	ACA	GGT	TAC	GCG	GAT	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	A	K	N	T	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	E	F	S	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCA	AGA	GAG	TTT	AGC	AGT
307	G	W	Y	F	D	Y	W	G	Q	G	T	L	V	T	V	S	S
	GGC	TGG	TAC	TTT	GAC	TAC	TGG	GGC	CAG	GGA	ACC	CTG	GTC	ACC	GTC	TCC	TCA

Fig. 13A

26/87

Anti-CD73 5F8-1 VK

V segment:		VK1 / L18	
J segment:		JK1 / 1	
1	A I Q L T Q CAG TCT CCA TCC TCC TCT GCA TCT GTA GGA GAC		D
	GCC ATC CAG TTG ACC CAG TCT CCA TCC TCC TCC TCT GCA TCT GTA GGA GAC		
52	R V T I T C R A S Q G I S A L A	CDR1	A
	AGA GTC ACC ATC ACT TGC CGG GCA AGT CAG GGC ATT AGC AGT GCT TTA GCC		
103	W Y Q Q K P G K A P K L L I Y D A		CDR2
	TGG TAT CAG CAG AAA CCA GGG AAA GCT CCT AAG CTC CTG ATC TAT GAT GCC		
154	S S L E S G V P S R F S G S G		
	TCC AGT TTG GAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG		
205	T D F T L T I S S L Q P E D F A T		
	ACA GAT TTC ACT CTC ACC ATC AGC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT		
256	Y Y C Q Q F S S Y P R T F G Q G T	CDR3	T
	TAT TAC TGT CAA CAG TTT AGT AGT TAC CCT CGG ACG TTC GGC CAA GGG ACC		
307	K V E I K		
	AAG GTG GAA ATC AAA		

Fig. 13B

27/87

Anti-CD73 5F8-2 VH

V segment: VH3 / 3-74
 D segment: D6 / 6-19
 J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S
	GAG	GTG	CAG	CTG	GTG	GAG	TCC	GGG	GGA	GGC	TTA	GTT	CAG	CCT	GGG	GGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	S	Y	W	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAC	TGG	ATG
	CDR1																
103	H	W	V	R	Q	A	P	G	K	G	L	V	W	V	S	R	I
	CAC	TGG	GTC	CGC	CAA	GCT	CCA	GGG	AAG	GGG	CTG	GTG	TGG	GTC	TCA	CGT	ATT
	CDR2																
154	I	S	D	G	S	S	T	G	Y	A	D	S	V	K	G	R	F
	ATT	AGT	GAT	GGG	AGT	AGC	ACA	GGT	TAC	GCG	GAT	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	A	K	N	T	L	L	Y	L	Q	M	S
	ACC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	E	F	S	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCA	AGA	GAG	TTT	AGC	AGT
	CDR3																
307	G	W	Y	F	D	Y	W	G	Q	G	T	L	V	T	V	S	S
	GGC	TGG	TAC	TTT	GAC	TAC	TGG	GGC	CAG	GGA	ACC	CTG	GTC	ACC	GTC	TCC	TCA

Fig. 14A

28/87

Anti-CD73 5F8-2 VK

V segment:		VK1 / L15	
J segment:		JK1 / 1	
1	D I Q M T Q S P S L S A S V G D		
	GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC		
		CDR1	
52	R V T I T C R A S Q G I S S W L A		
	AGA GTC ACC ATC ACT TGT CGG GCG AGT CAG GGT ATT AGC AGC TGG TTA GCC		
		CDR2	
103	W Y Q Q K P E K A P K S L I Y A A		
	TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA		
154	S S L Q S G V P S R F S G S G		
	TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG		
205	T G F T L T I S S L Q P E D F A T		
	ACA GGT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT		
		CDR3	
256	Y Y C Q Q Y N S Y P R T F G Q G T		
	TAT TAC TGC CAA CAG TAT AAT AGT TAC CCT CGG ACG TTC GGC CAA GGG ACC		
307	K V E I K		
	AAG GTG GAA ATC AAA		

Fig. 14B

29/87

Anti-CD73 5F8-3 VH

V segment: VH3 / 3-74
 D segment: D6 / 6-19
 J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	G	L	V	Q	P	G	G	S
	GAG	GTG	CAG	CTG	GTG	GAG	TCC	GGG	GGA	GGC	TTA	GTT	CAG	CCT	GGG	GGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	S	S	Y	W	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTC	AGT	AGC	TAC	TGG	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	V	W	V	S	R	I
	CAC	TGG	GTC	CGC	CAA	GCT	CCA	GGG	AAG	GGG	CTG	GTG	TGG	GTC	TCA	CGT	ATT
154	I	S	D	G	S	S	T	G	Y	A	D	S	V	K	G	R	F
	ATT	AGT	GAT	GGG	AGT	AGC	ACA	GGT	TAC	GCG	GAT	TCC	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	A	K	N	T	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	ACG	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	A	E	D	T	A	V	Y	Y	C	A	R	E	F	S	S
	CTG	AGA	GCC	GAG	GAC	ACG	GCT	GTG	TAT	TAC	TGT	GCA	AGA	GAG	TTT	AGC	AGT
307	G	W	Y	F	D	Y	W	G	Q	G	T	L	V	T	V	S	S
	GGC	TGG	TAC	TTT	GAC	TAC	TGG	GGC	CAG	GGA	ACC	CTG	GTC	ACC	GTC	TCC	TCA

Fig. 15A

Anti-CD73 5F8-3 VK

V segment:		VK3 / L6	
J segment:		JK1 / 1	
1	E I V L T Q S P A T L S L S P G E		
	GAA ATT GTG TTG ACA CAG TCT CCA GCC ACC CTG TCT TTG TCT CCA GGG GAA		
52	R A T L S C R A S Q S V S Y L A	<u>CDR1</u>	
	AGA GCC ACC CTC TCC TGC AGG GCC AGT CAG AGT GTT AGC AGC TAC TTA GCC		
103	W Y Q Q K P G Q A P R L L I Y D A	<u>CDR2</u>	
	TGG TAC CAA CAG AAA CCT GGC CAG GCT CCC AGG CTC CTC ATC TAT GAT GCA		
154	S N R A T G I P A R F S G S G		
	TCC AAC AGG GCC ACT GGC ATC CCA GCC AGG TTC AGT GGC AGT GGC TCT GGG		
205	T D F T L T I S S L E P E D F A V		
	ACA GAC TTC ACT CTC ACC ATC AGC AGC CTA GAG CCT GAA GAT TTT GCA GTT		
256	Y Y C Q Q R S N W T F G Q T K	<u>CDR3</u>	
	TAT TAC TGT CAG CAG CAG CGT AGC AAC TGG TGG ACG TTC GGC CAA GGG ACC AAG		
307	V E I K		
	GTG GAA ATC AAA		

Fig. 15B

31/87

Anti-CD73 6E11-1 VH

V segment: VH3 / 3-09
 D segment: D6 / 6-13
 J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	A	L	V	Q	P	G	R	S
	GAA	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GCC	TTG	GTA	CAG	CCT	GGC	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	D	D	Y	A	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTT	GAT	GAT	TAT	GCC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	S	G	I
	CAC	TGG	GTC	CGG	CAA	GCT	CCA	GGG	AAG	GGC	CTG	GAG	TGG	GTC	TCA	GGT	ATT
154	T	W	N	S	G	G	I	G	Y	A	D	S	V	K	G	R	F
	ACT	TGG	AAT	AGT	GGT	GGC	ATA	GGC	TAC	GCG	GAC	TCT	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	A	K	N	S	L	Y	L	Q	M	N	S
	ACC	ATC	TCC	AGA	GAC	AAC	GCC	AAG	AAC	TCC	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	A	E	D	T	A	L	Y	Y	C	A	K	D	R	Y	Y
	CTG	AGA	GCT	GAG	GAC	ACG	GCC	TTG	TAT	TAC	TGT	GCA	AAA	GAT	AGG	TAT	TAC
307	S	S	W	L	L	F	D	N	W	G	Q	G	I	L	V	T	V
	AGC	AGT	TGG	CTC	CTC	TTT	GAC	AAC	TGG	GGC	CAG	GGA	ATT	CTG	GTC	ACC	GTC
358	S	S															
	TCC	TCA															

Fig. 16A

32/87

Anti-CD73 6E11-1 VK

		VK3 / A27	
V segment:		JK3 / 3	
1	E I V L T Q S P G T L S L S P G E		
	GAA ATT GTG TTG ACG CAG TCT CCA GGC ACC CTG TCT TTG TCT CCA GGG GAA		
		_CDR1	
52	R A T L S C R A S Q S V S S Y L		
	AGA GCC ACC CTC TCC TGC AGG GCC AGT CAG AGT GTT AGC AGC TAC TTA		
		_CDR2	
103	A W Y Q Q K P G Q A P R L L I Y G		
	GCC TGG TAC CAG CAG AAA CCT GGC CAG GCT CCC AGG CTC CTC ATC TAT GGT		
154	A S S R A T G I P D R F S G S S		
	GCA TCC AGC AGG GCC ACT GGC ATC CCA GAC AGG TTC AGT GGC AGT GGC TCT		
205	G T D F T L T I S R L E P E D F A		
	GGG ACA GAC TTC ACT CTC ACC ATC AGC AGA CTG GAG CCT GAA GAT TTT GCA		
		_CDR3	
256	V Y Y C Q H Y G S S F T F G T		
	GTG TAT TAC TGT CAG CAT TAT GGT AGC TCA TTC ACT TTC GGC CCT GGG ACC		
307	K V D I K		
	AAA GTG GAT ATC AAA		

Fig. 16B

33/87

Anti-CD73 7A11-1 VH

V segment: VH3 / 3-09
 D segment: D3 / 3-10
 J segment: JH4 / 4

1	E	V	Q	L	V	E	S	G	G	G	L	V	Q	T	G	R	S
	GAA	GTG	CAG	CTG	GTG	GAG	TCT	GGG	GGA	GGC	TTG	GTA	CAG	ACT	GGC	AGG	TCC
52	L	R	L	S	C	A	A	S	G	F	T	F	D	D	Y	A	M
	CTG	AGA	CTC	TCC	TGT	GCA	GCC	TCT	GGA	TTC	ACC	TTT	GAT	GAT	TAT	GCC	ATG
103	H	W	V	R	Q	A	P	G	K	G	L	E	W	V	S	D	I
	CAC	TGG	GTC	CGG	CAA	GCT	CCA	GGG	AAG	GGC	CTG	GAG	TGG	GTC	TCA	GAT	ATT
154	S	W	N	S	D	I	I	G	Y	A	D	S	V	K	G	R	F
	AGT	TGG	AAT	AGT	GAT	ATT	ATA	GGC	TAT	GCG	GAC	TCT	GTG	AAG	GGC	CGA	TTC
205	T	I	S	R	D	N	A	K	N	S	L	Y	L	Q	M	N	S
	ACC	ATC	TCT	AGA	GAC	AAC	GCC	AAG	AAC	TCC	CTG	TAT	CTG	CAA	ATG	AAC	AGT
256	L	R	A	E	D	T	A	L	Y	Y	C	A	K	D	I	Y	G
	CTG	AGA	GCT	GAG	GAC	ACG	GCC	TTG	TAT	TAC	TGT	GCA	AAA	GAT	ATT	TAT	GGT
307	S	G	S	S	F	F	D	Y	W	G	Q	G	I	L	V	T	V
	TCG	GGG	AGT	TCT	TTT	TTT	GAC	TAC	TGG	GGC	CAG	GGA	ATC	CTG	GTC	ACC	GTC
358	S	S															
	TCC	TCA															

Fig. 17A

Anti-CD73 7A11-1 VK

	V segment:		VK1 / L15	
	J segment:		JK5 / 5	
1	D I Q M T Q S P S S L S A S V G D			
	GAC ATC CAG ATG ACC CAG TCT CCA TCC TCA CTG TCT GCA TCT GTA GGA GAC			
52			_CDR1_	
	R V T I T C R A S Q Y I S S W L A			
	AGA GTC ACC ATC ACT TGT CGG GCG AGT AGT AGC AGC TGG TTA GCC			
103			_CDR2_	
	W Y Q Q K P E K A P K S L I Y A A			
	TGG TAT CAG CAG AAA CCA GAG AAA GCC CCT AAG TCC CTG ATC TAT GCT GCA			
154			_CDR3_	
	S S L Q S G V P S R F S S G S G			
	TCC AGT TTG CAA AGT GGG GTC CCA TCA AGG TTC AGC GGC AGT GGA TCT GGG			
205			_CDR3_	
	T D F T L T I S S L Q P E D F A T			
	ACA GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT			
256			_CDR3_	
	Y Y C Q Q Y H S Y P P T F G Q G T			
	TAT TAC TGC CAA CAG TAT CAT AGT TAC CCT CCC ACC TTC GGC CAA GGG ACA			
307			_CDR3_	
	R L E I K			
	CGA CTG GAG ATT AAA			

Fig. 17B

QVQLVESGGGVVQPGRSLRLSCA[ASGFTFSNYGMHWVRQAPGKGLEWVAVILYDGSNKYYYPD^{SV}KGRFTISR
DNSKNTLYQMNSLRAEDTAVYYCARGGSSWYPPDSFDIWGQGTMTVSSASTKGPSVFPLAPCSRSTSESTA
ALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPS^{SN}FGTQTYTCNV^{VD}HKPSNTKVDK
TVERK[SCVECP^{PC}APPVAGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK
PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP[SSIEKTISKAKGQPREPQVY^{TL}PPSREEMTKNQ
VSLTCLVKGFYPSDIAVEWESNGQPENNYK^{TT}PPVLDSDGSFFLYSKLTVDKSRWQQGNV^{FS}CSVMHEALHN
HYTQKSLSLSPG

No underline: VH

CDR1, 2 and 3

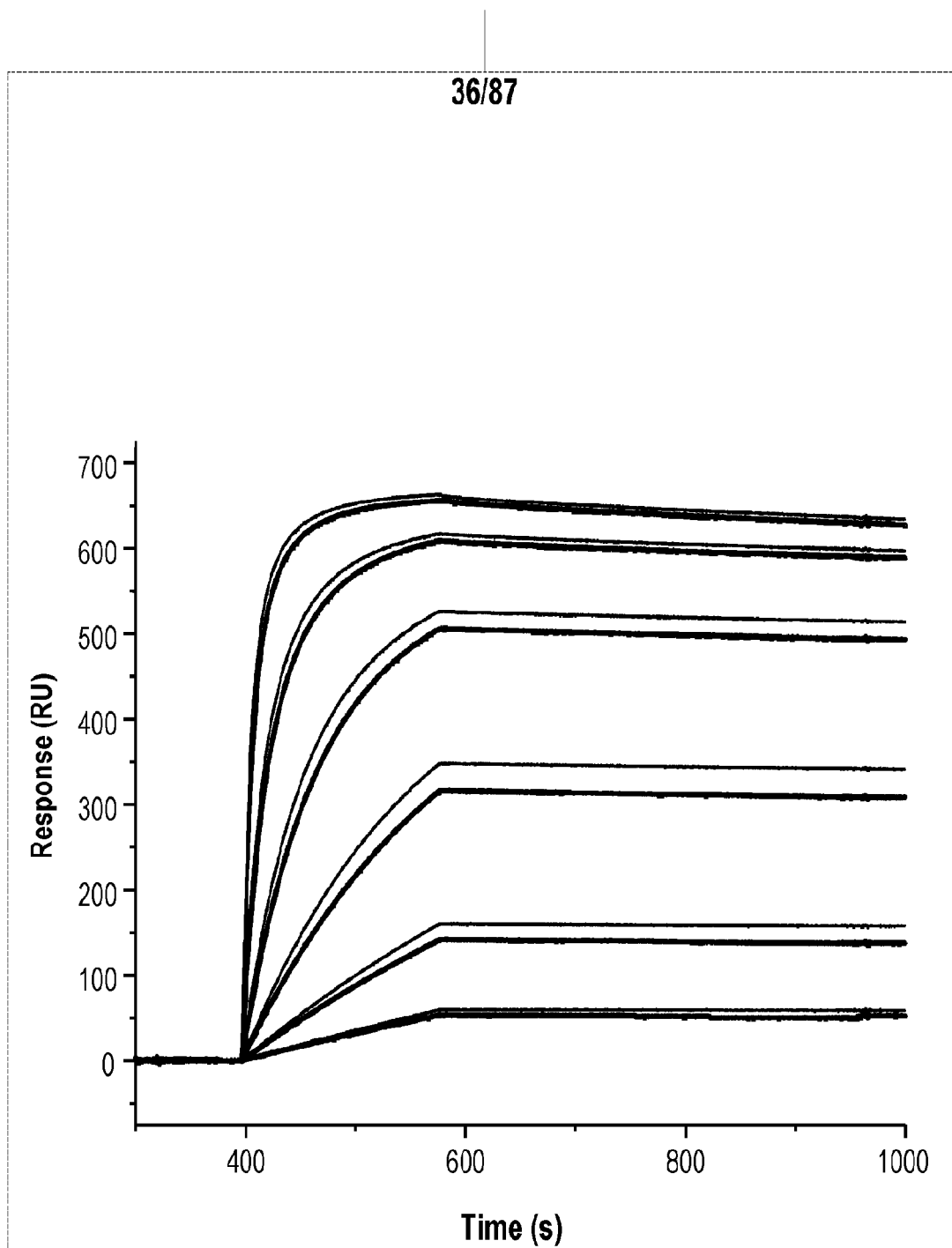
CH1

Hinge

CH2

CH3

Fig. 18

**Fig. 19**

	ng/mL	20000	33333.33	555.56	92.59	15.43	2.57	0.43	0.07	Kd (ng/mL)
F3713.11F11.F3.A4		36600	29700	27400	12100	4828	2253	1293	788	188.18
mAb-CD73.10-Vh-hHC-IgG1.1f		36900	33400	32800	15600	5598	2272	1505	822	126.85
mAb-CD73.10-Vh-hHC-IgG2		35700	31200	29600	13000	5860	2310	1316	843	162.27
mAb-CD73.10-Vh-hHC-IgG2-IgG1.1f		36500	31300	30000	13600	5143	2383	1192	708	156.46
mAb-CD73.4-Vh-hHC-IgG2		37400	32000	30500	19800	8250	3176	1810	1148	82.57
mAb-CD73.4-Vh-hHC-IgG2-IgG1.1f		37700	32000	29700	18500	7275	2858	1732	1076	96.41
mAb-CD73.4-Vh-hHC-IgG1.1f		36000	32400	31300	18800	7315	3104	1633	793	85.00
unstained		-8.27								
sec only		30.3								

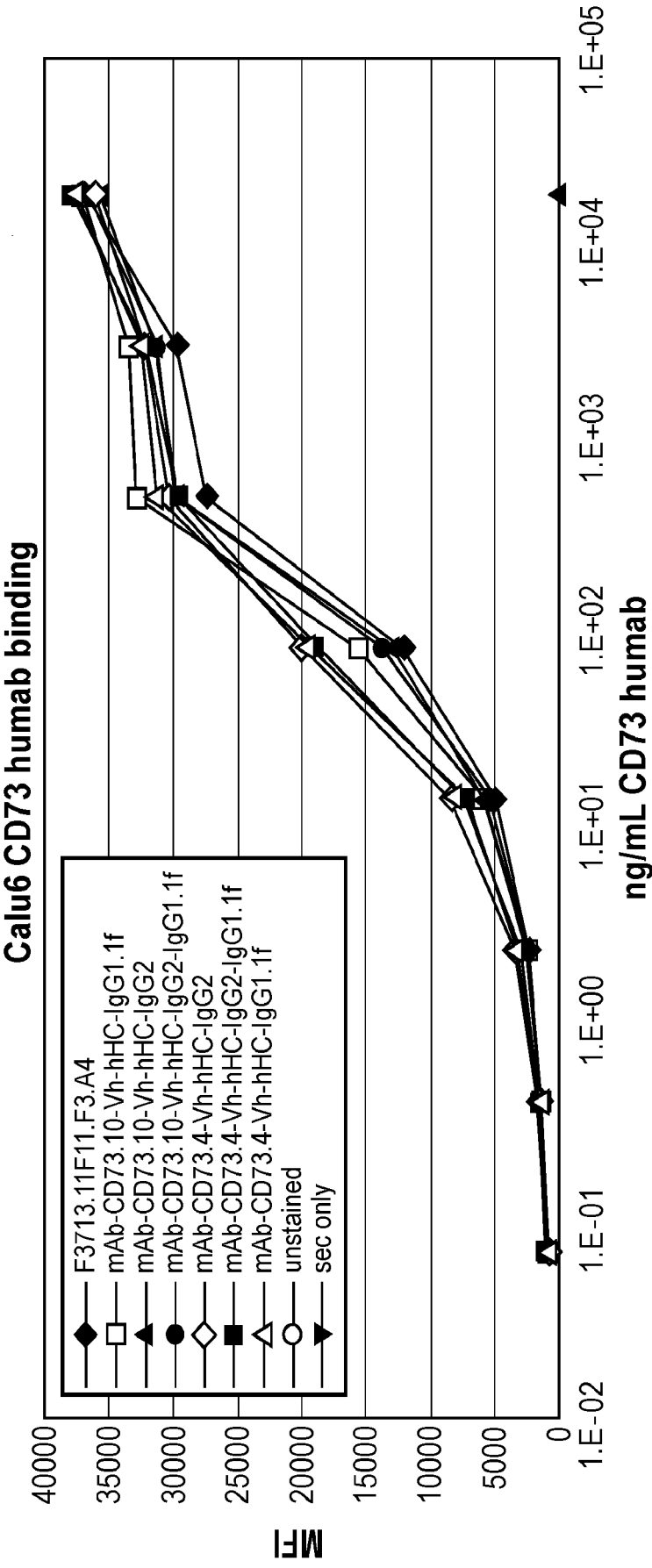


Fig. 20A1

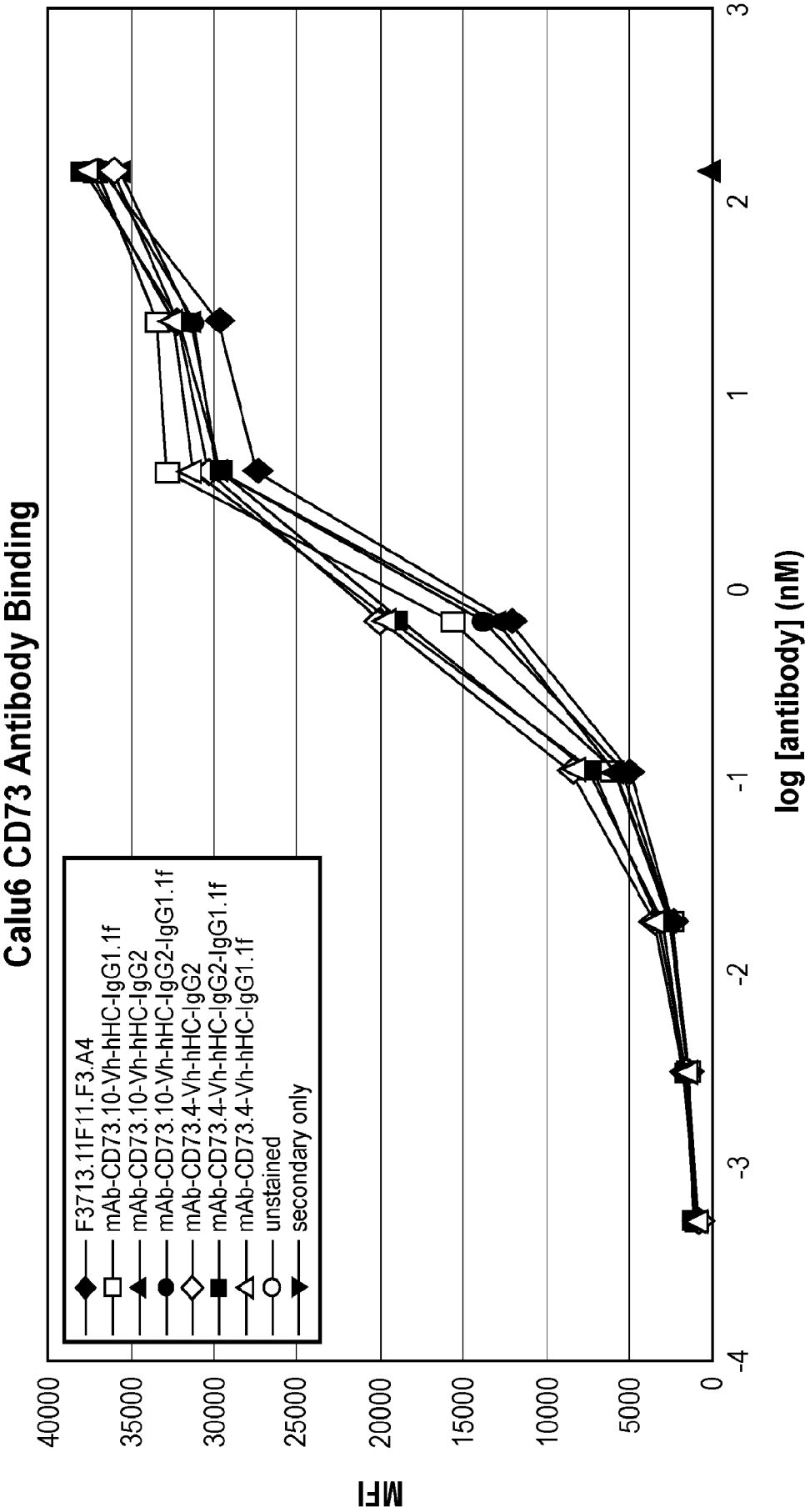


Fig. 20A2

	ng/mL	20000	3333.33	555.56	92.59	15.43	2.57	0.43	0.07
F3713.11F11.F3.A4		96.2	37.6	29.7	30.2	31.3	20.9	30.7	23.1
mAb-CD73.10-Vh-hHC-IgG1.1f		59.2	33.5	30.4	29.1	25.6	20	25.4	20.8
mAb-CD73.10-Vh-hHC-IgG2		58.1	27.8	28.2	31.4	31	20.5	23.8	21.4
mAb-CD73.10-Vh-hHC-IgG2-IgG1.1f		59.6	35.5	29.1	23.2	29.5	23.6	23.9	23.2
mAb-CD73.4-Vh-hHC-IgG2		132	40.9	35.7	25.9	29	20.8	26	18.6
mAb-CD73.4-Vh-hHC-IgG2-IgG1.1f		129	36.5	23.8	24.7	23.1	19.2	26.4	21.9
mAb-CD73.4-Vh-hHC-IgG1.1f		96.6	48.1	28.4	28.3	28.2	25.3	25.7	21.4
unstained		0.378							
sec only		39.5							

DMS114 CD73 humab binding

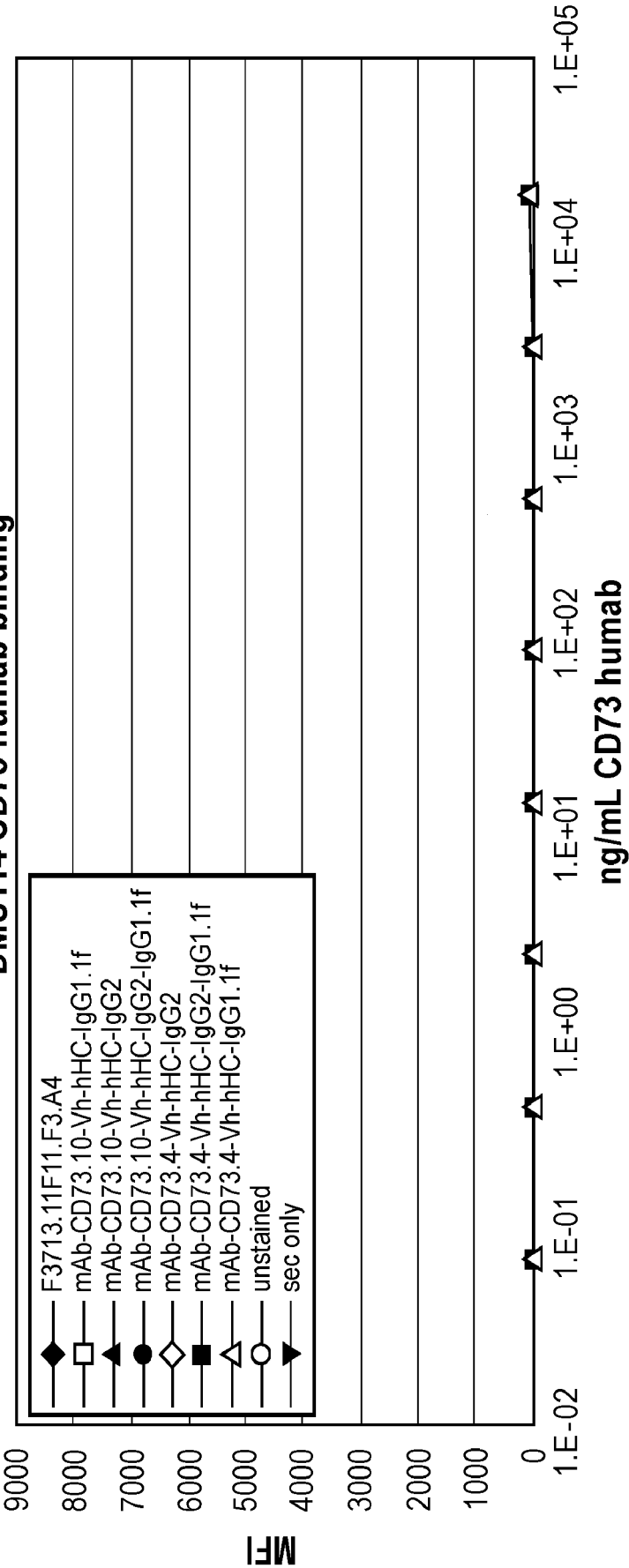


Fig. 20B1

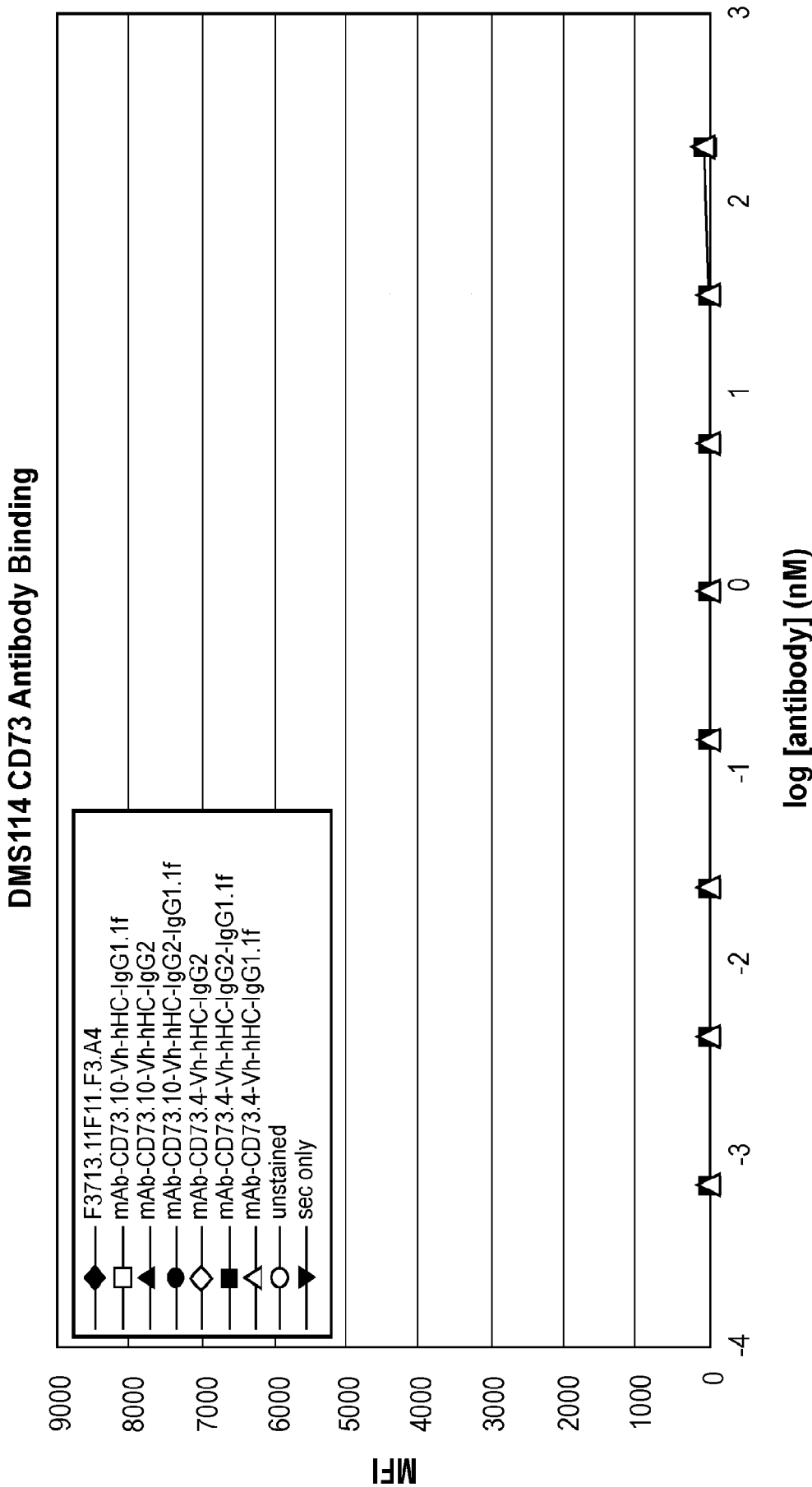


Fig. 20B2

	ng/mL	20000	3333.33	555.56	92.59	15.43	2.57	0.43	0.07	Kd (ng/mL)
F3713.11F11.F3.A4		2656	1994	1638	1474	1152	670	342	200	20.73
mAb-CD73.10-Vh-hHC-IgG1.1f		2159	1802	1738	1594	1054	542	207	129	16.74
mAb-CD73.10-Vh-hHC-IgG2		2060	1698	1528	1350	775	326	173	118	26.59
mAb-CD73.10-Vh-hHC-IgG2-IgG1.1f		2101	1690	1529	1336	807	371	193	104	25.69
mAb-CD73.4-Vh-hHC-IgG2		2814	2092	1804	1644	1420	891	487	289	15.55
mAb-CD73.4-Vh-hHC-IgG2-IgG1.1f		2753	2072	1755	1573	1426	804	487	255	14.75
mAb-CD73.4-Vh-hHC-IgG1.1f		2186	1855	1758	1703	1515	816	458	202	7.11
unstained		4.81								
sec only		18.5								

CHO-cynoCD73 CD73 humab binding

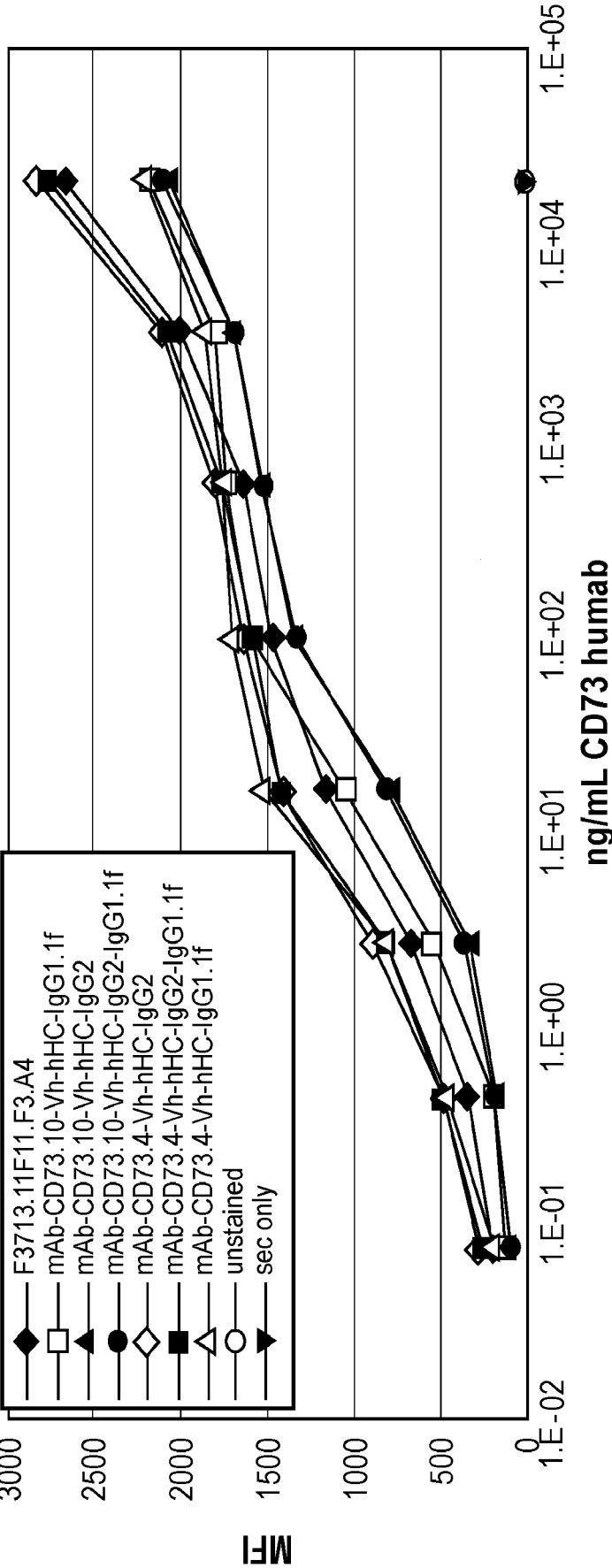


Fig. 20C1

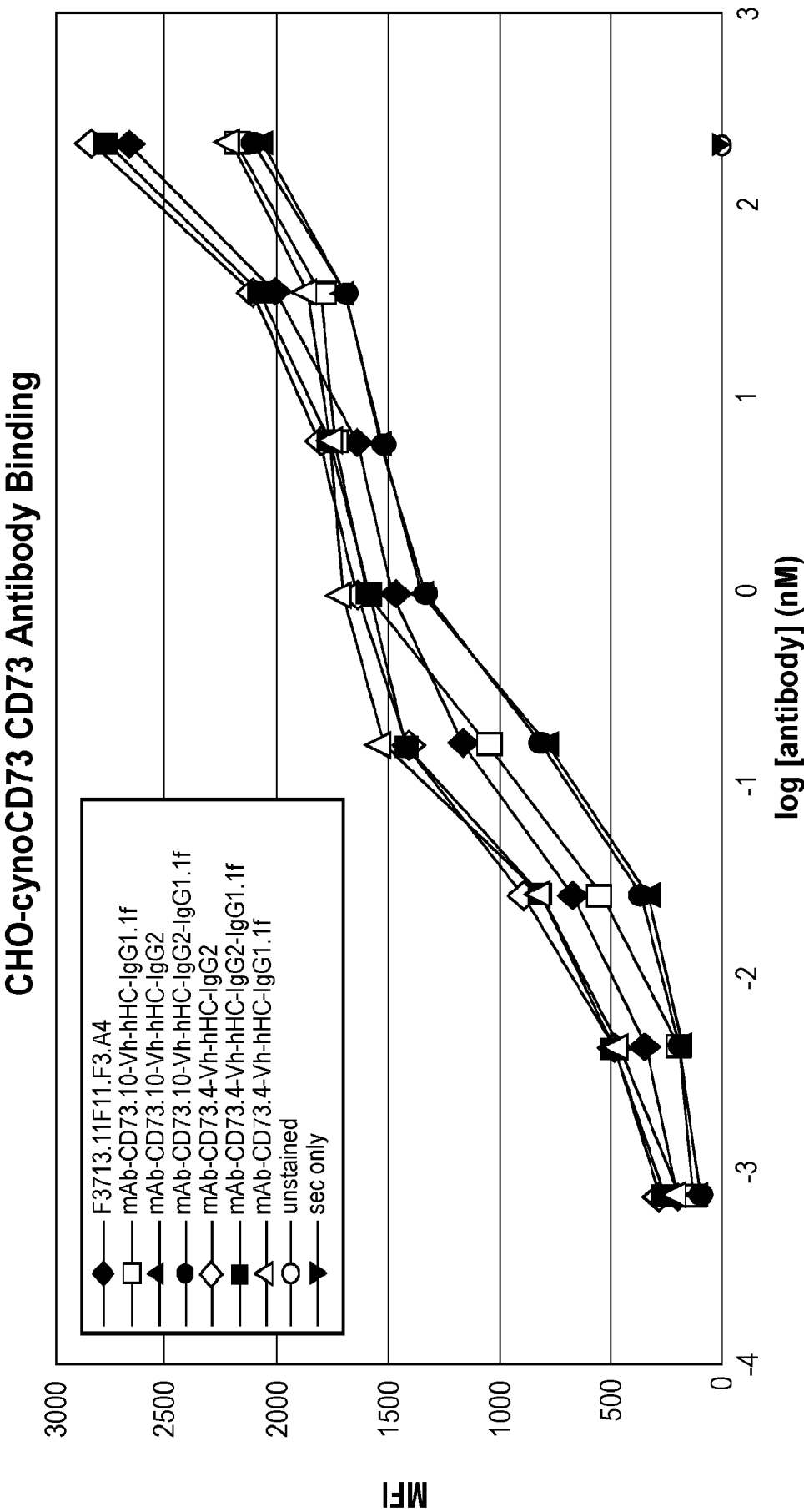
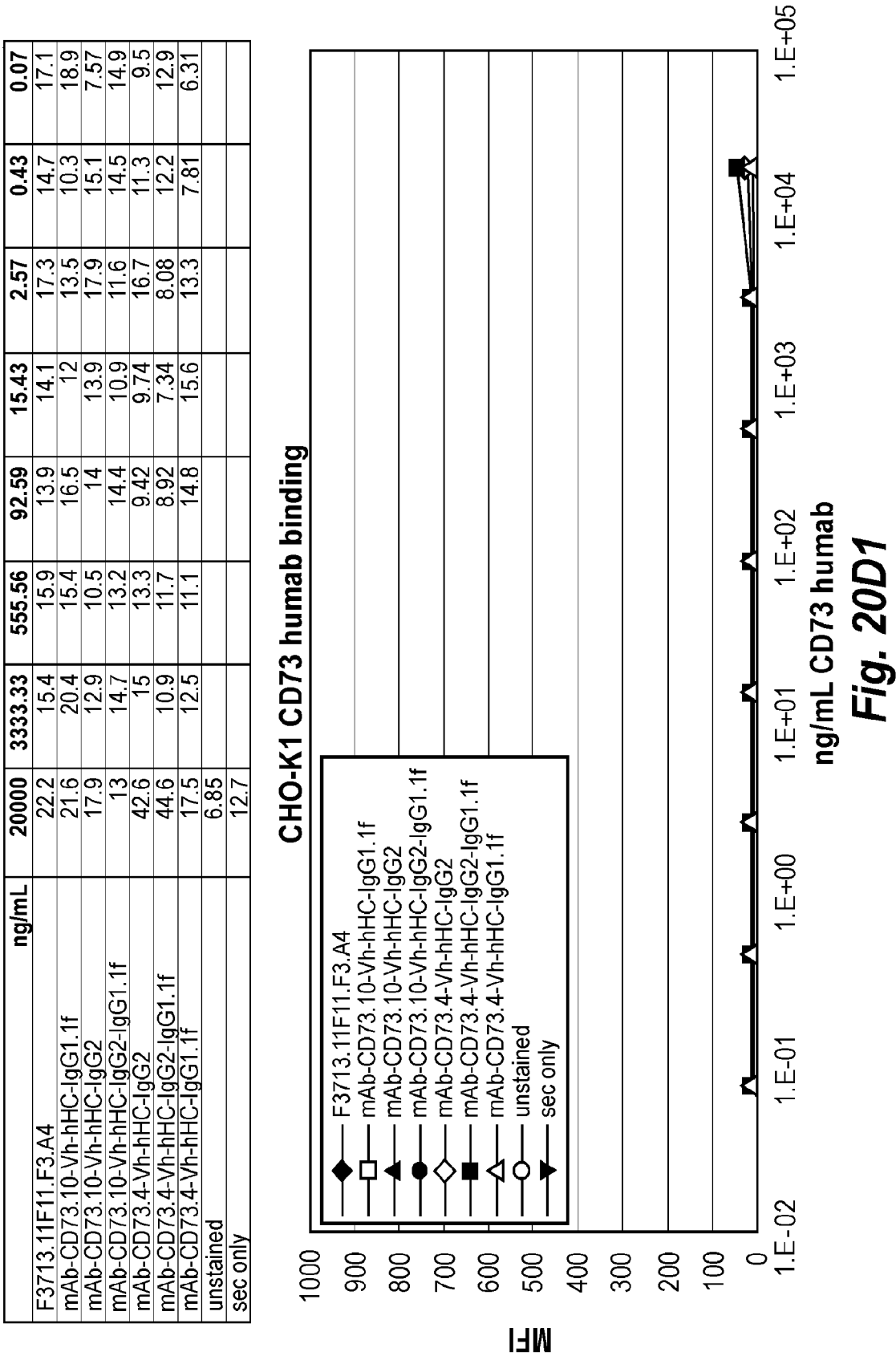


Fig. 20C2



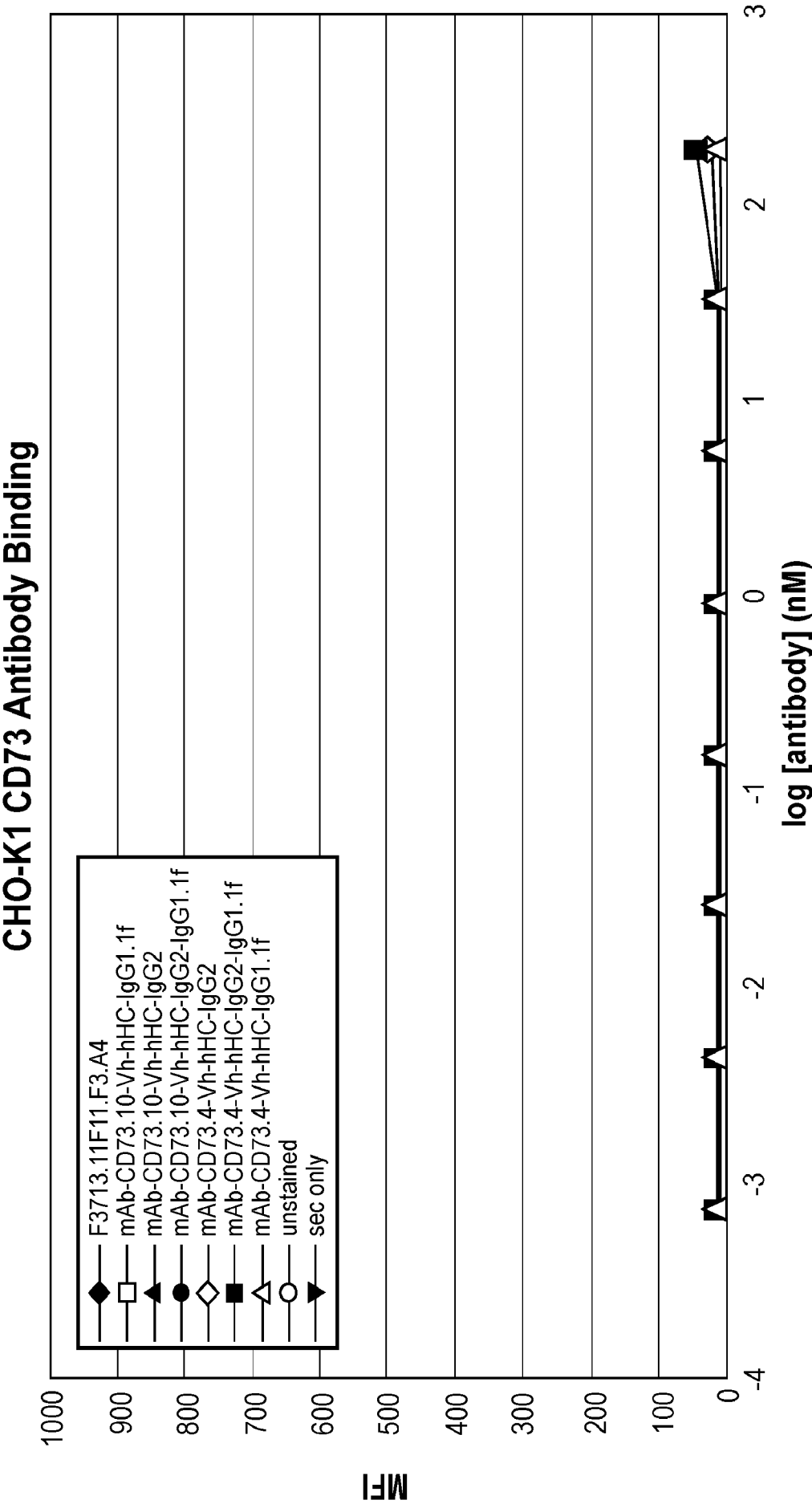
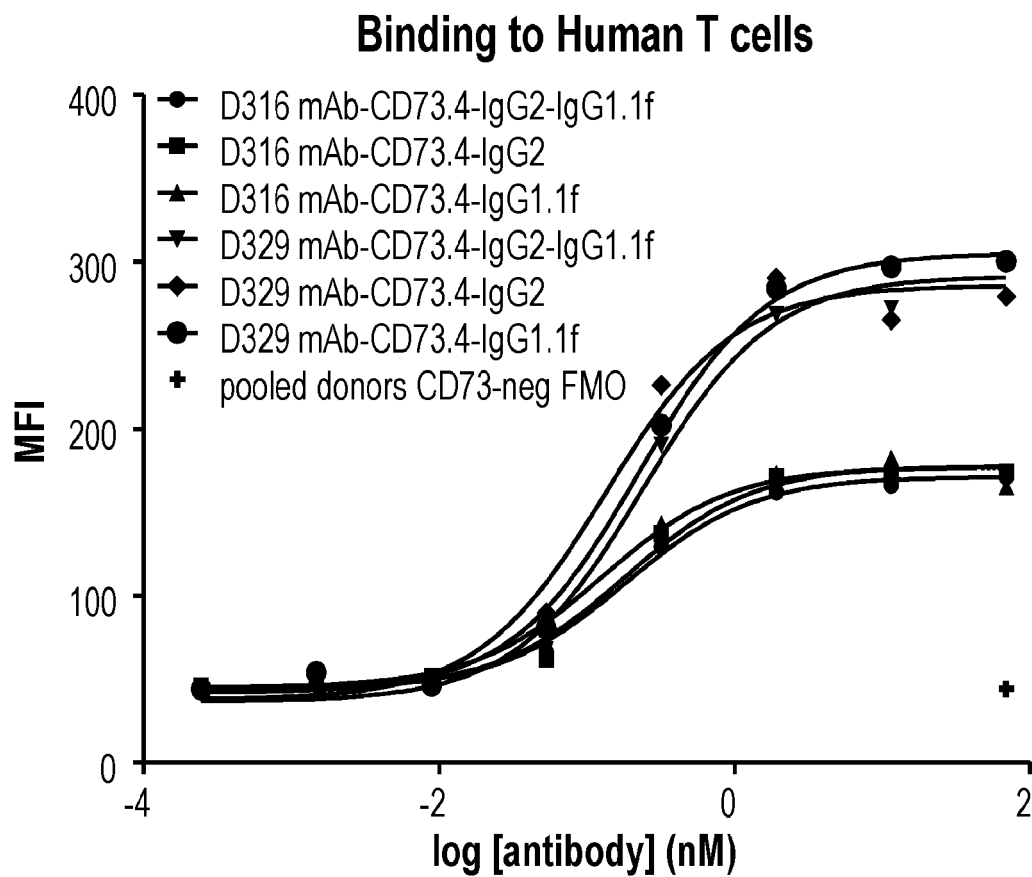
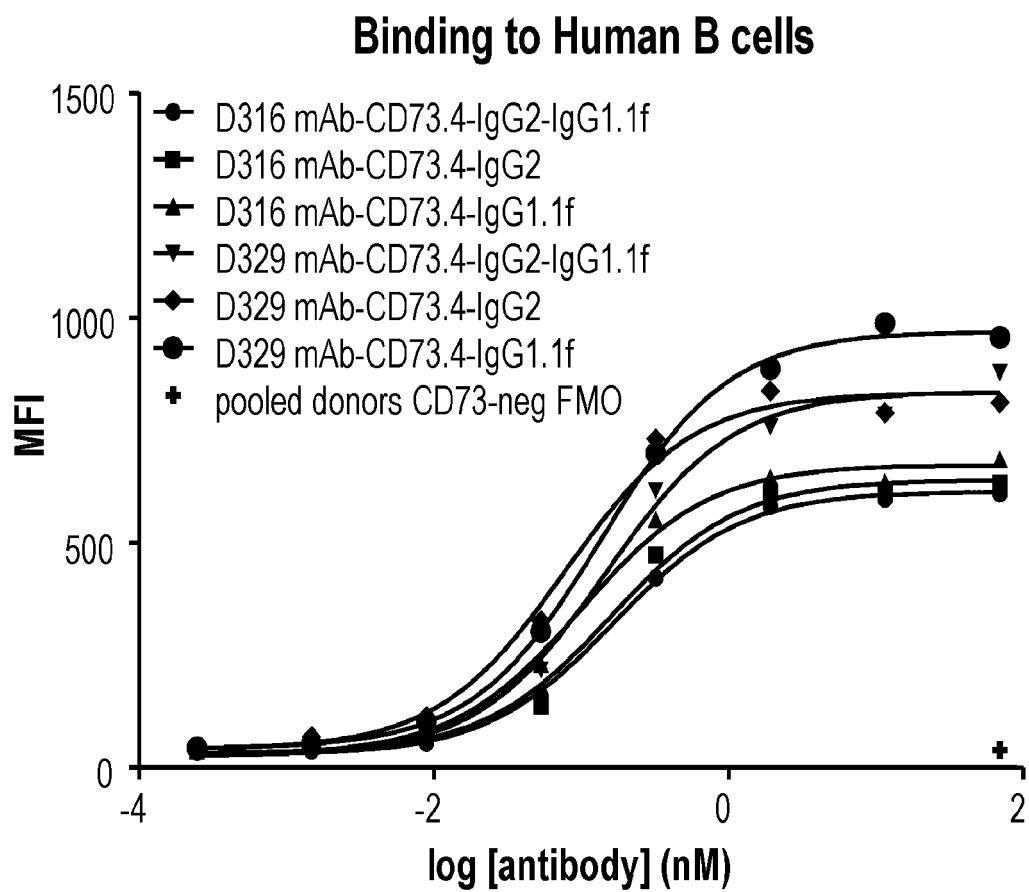


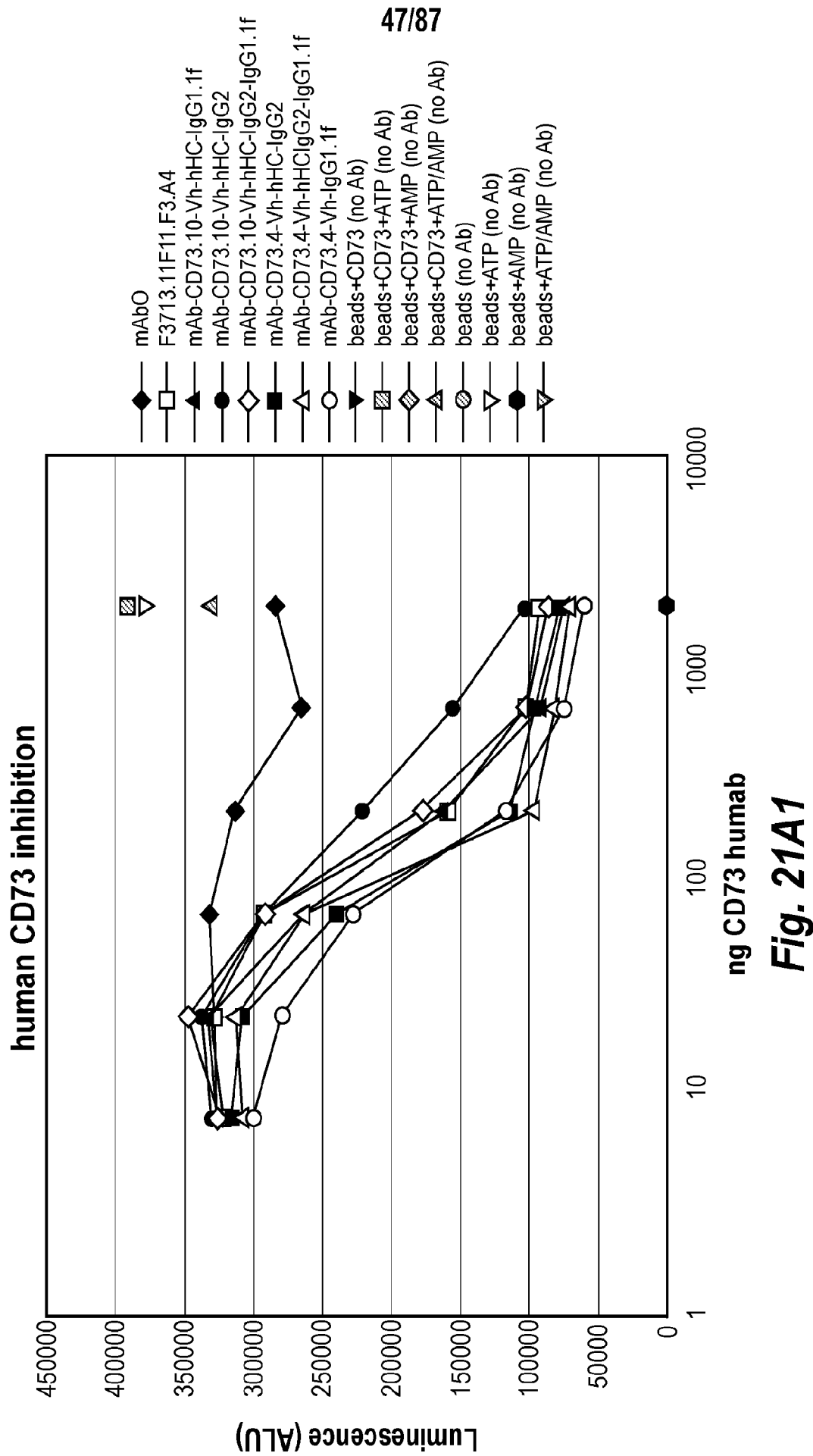
Fig. 20D2

45/87

**Fig. 20E**

46/87

**Fig. 20F**



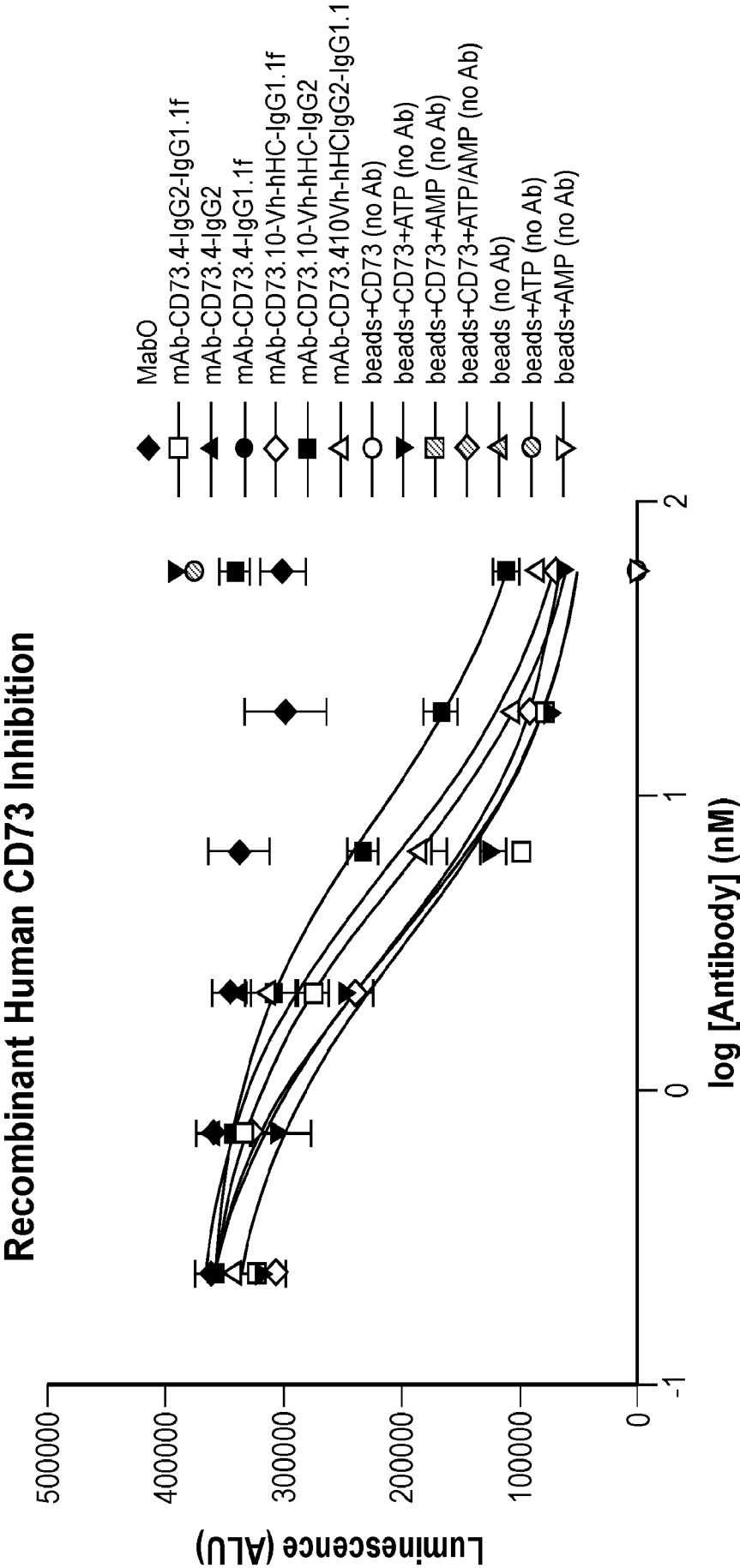
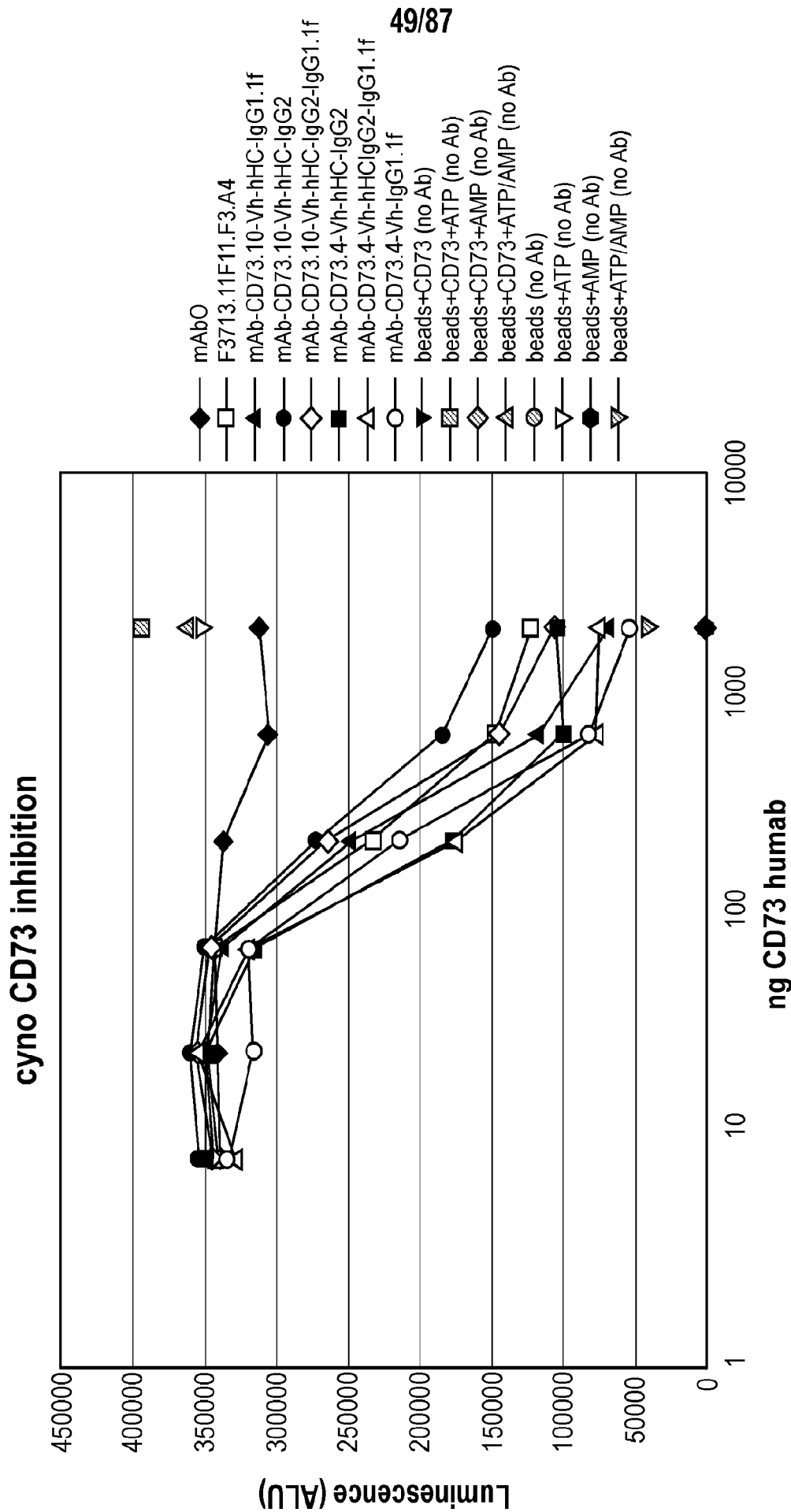


Fig. 21A2



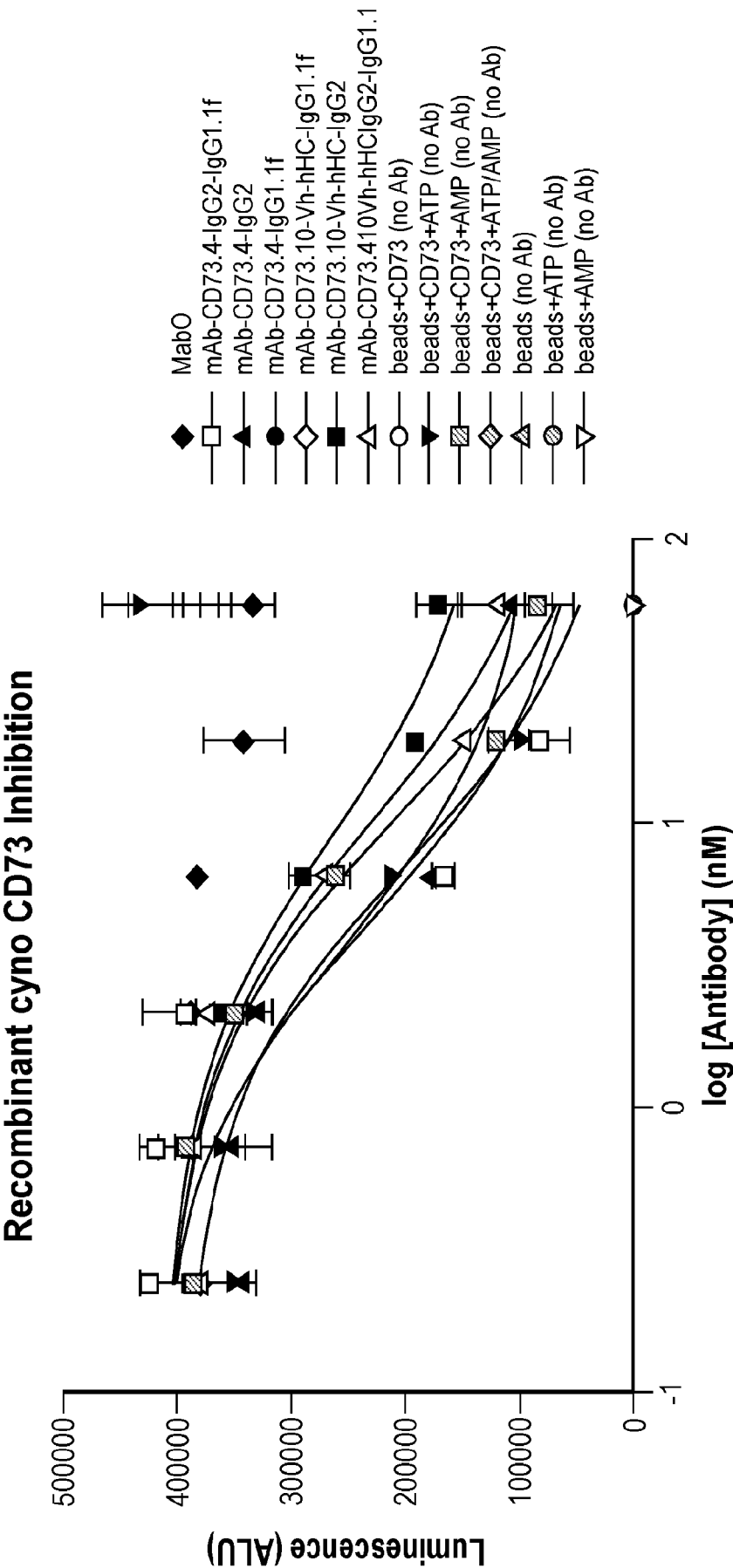


Fig. 21B2

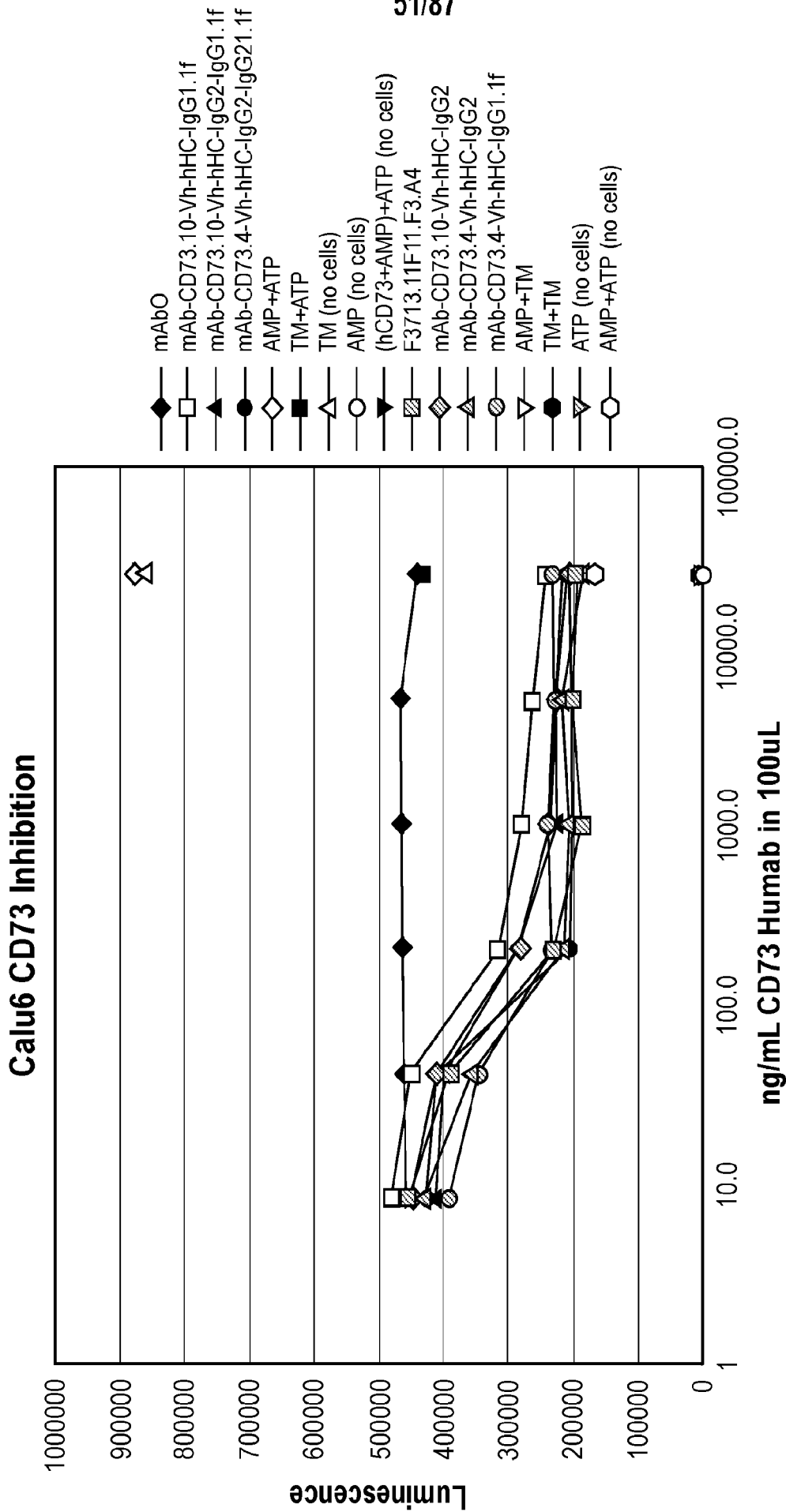


Fig. 22A1

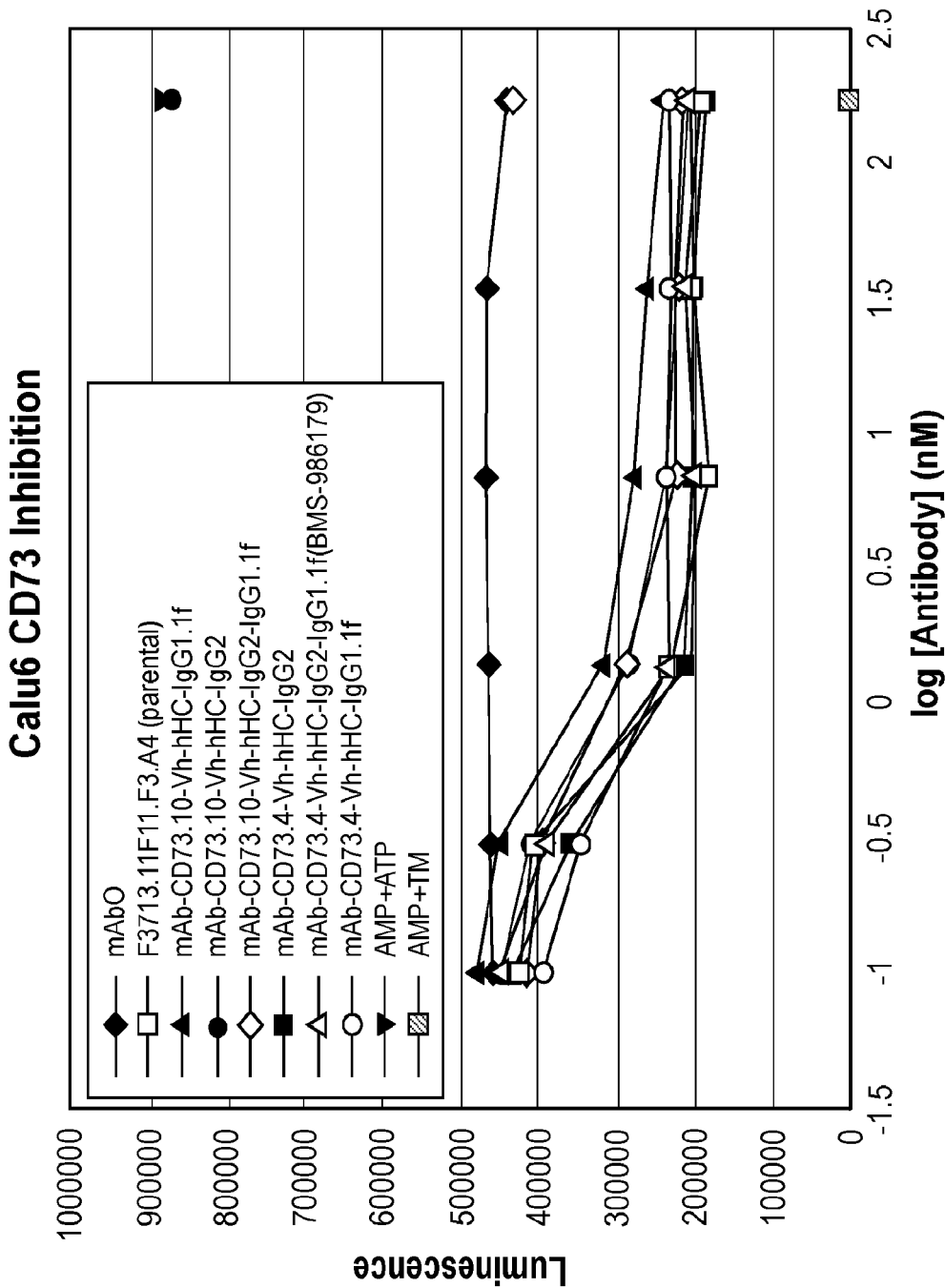


Fig. 22A2

53/87

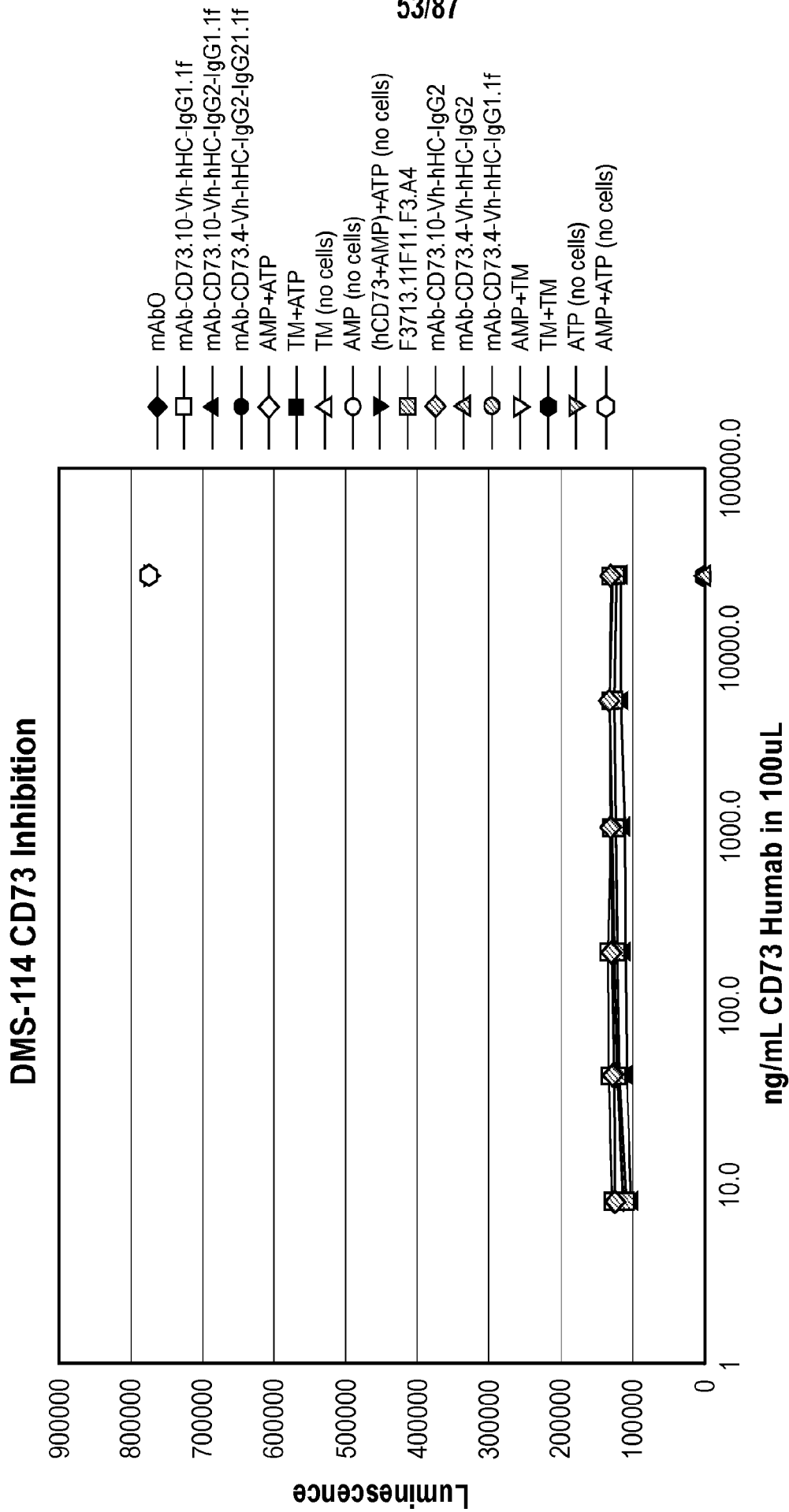


Fig. 22B1

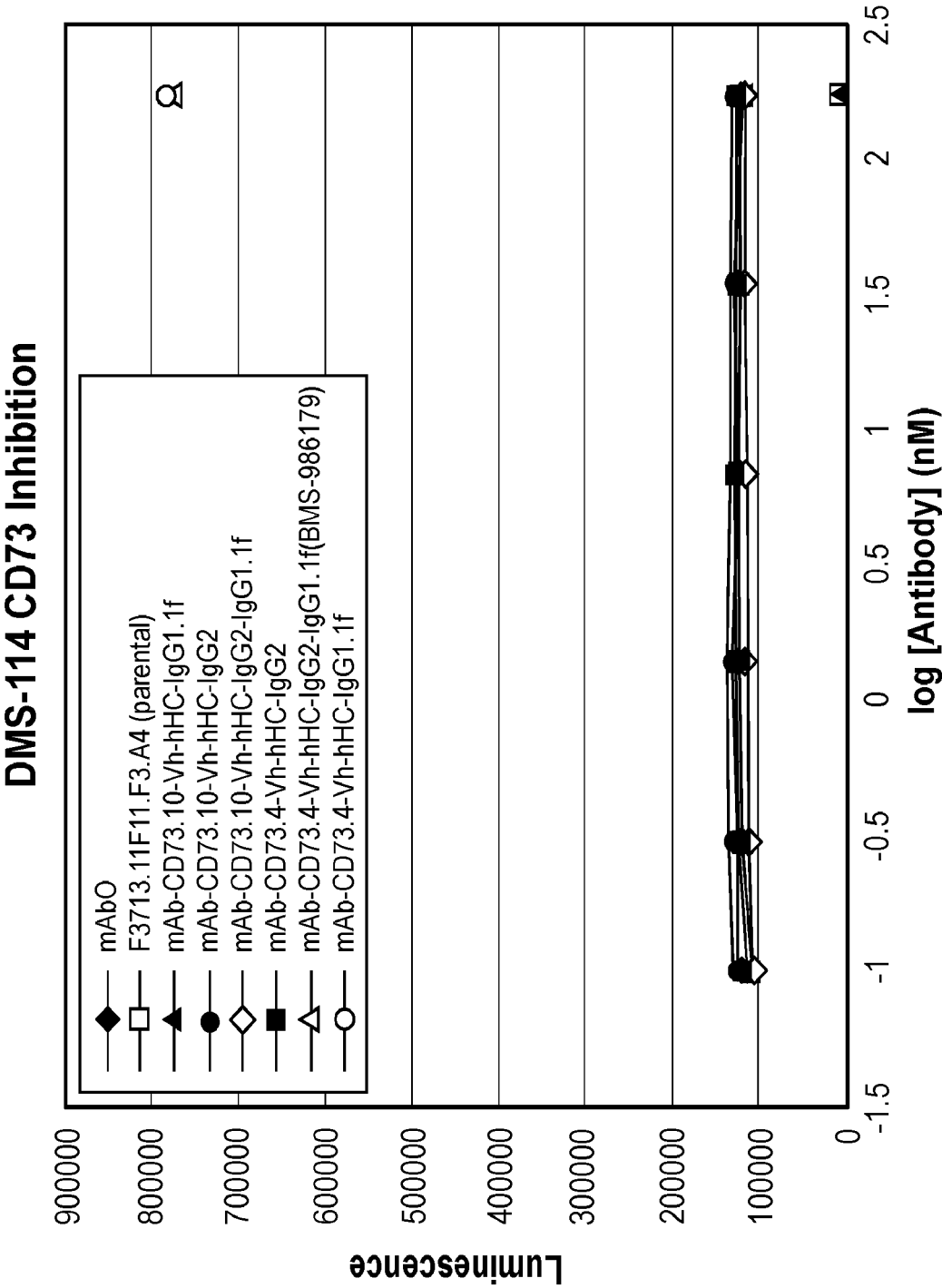


Fig. 22B2

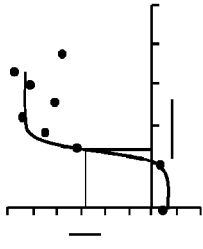
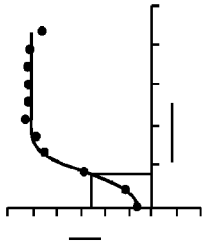
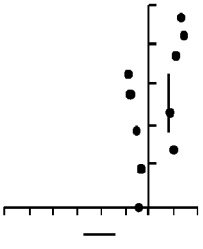
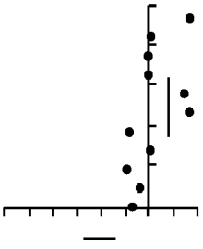
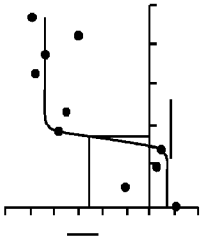
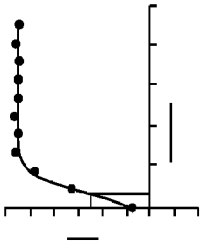
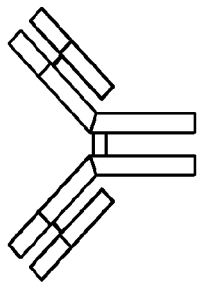
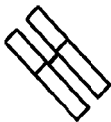
Clone ID	cAMP Assay (Calu-6+HEK/A2AR)			Internalization (Calu-6)		
	EC50, nM	YMAX	Graph	EC50, nM	YMAX	Graph
11F11	0.64	95		0.26	100	
11F11 Fab	Inactive			Inactive		
11F11 Fab'2	0.49	87		0.10	110	

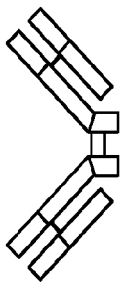
Fig. 22C



IgG



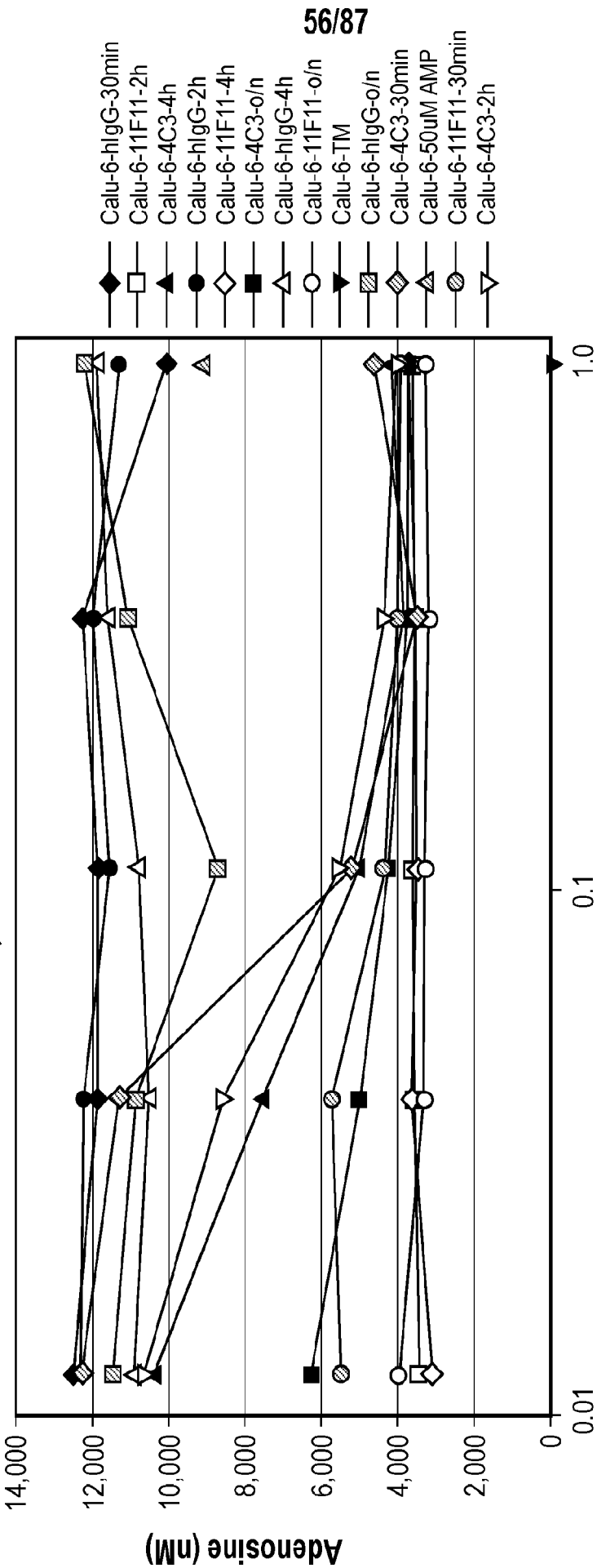
Fab



F(ab')₂

ADENOSINE BY LC/MS/MS

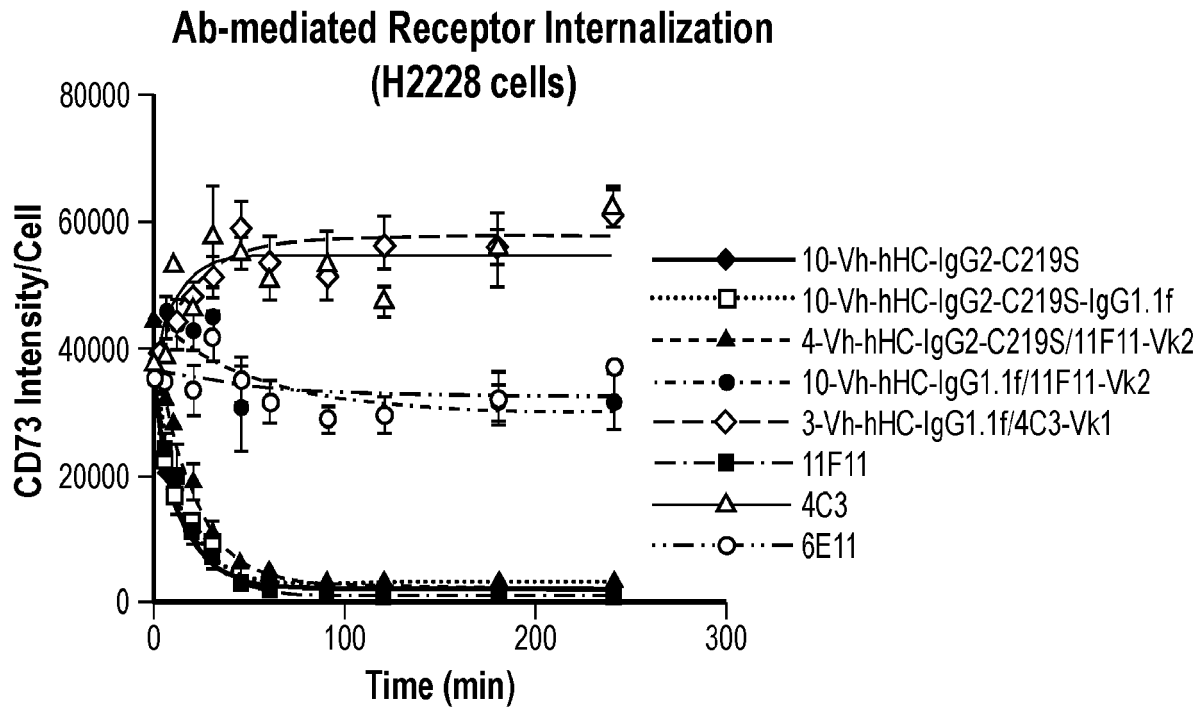
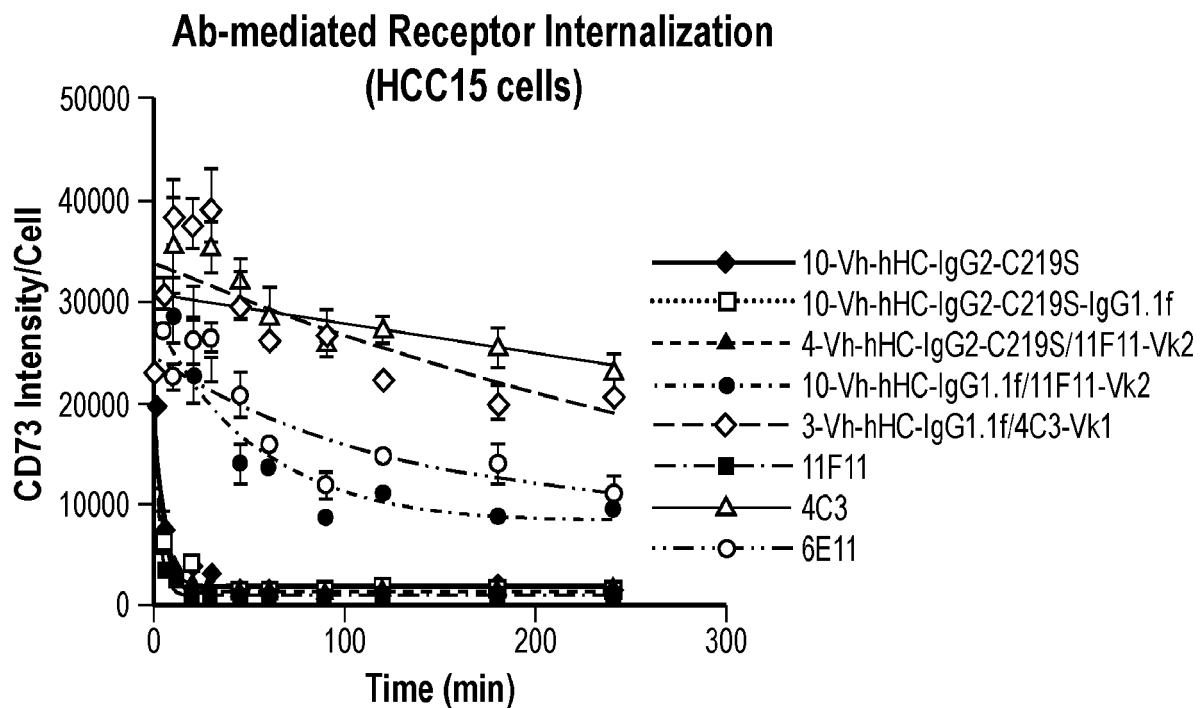
Calu-6; TimeCourse



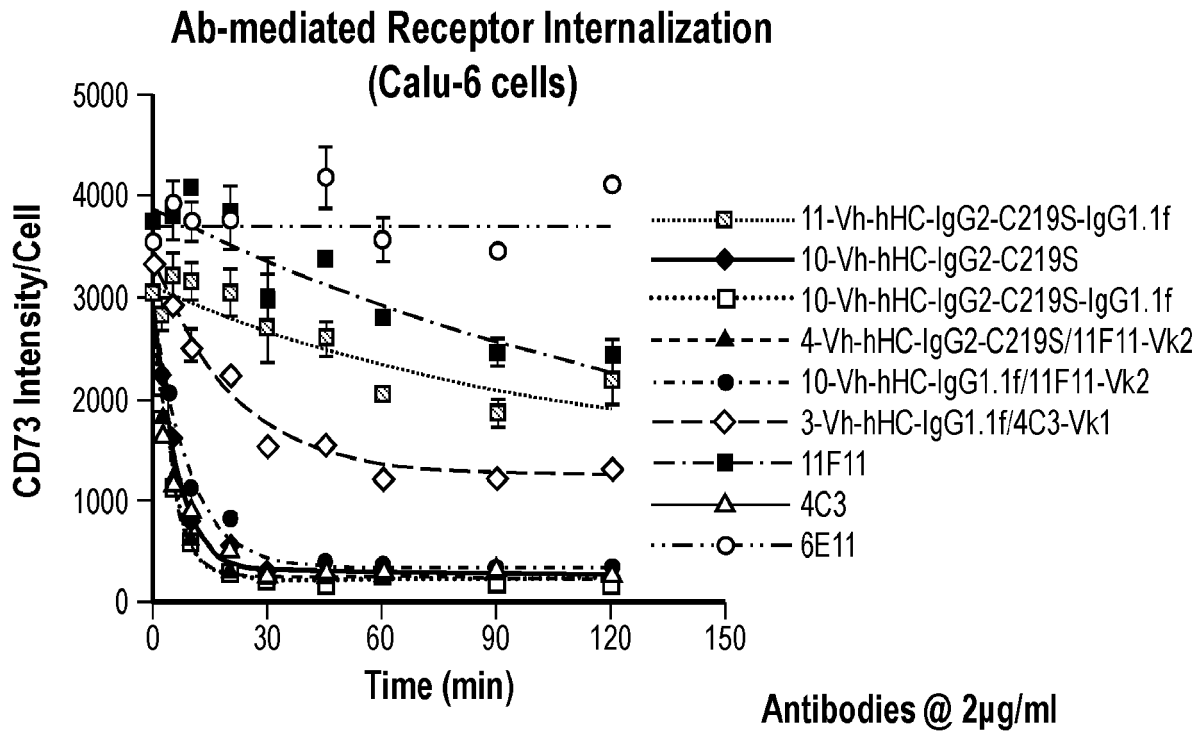
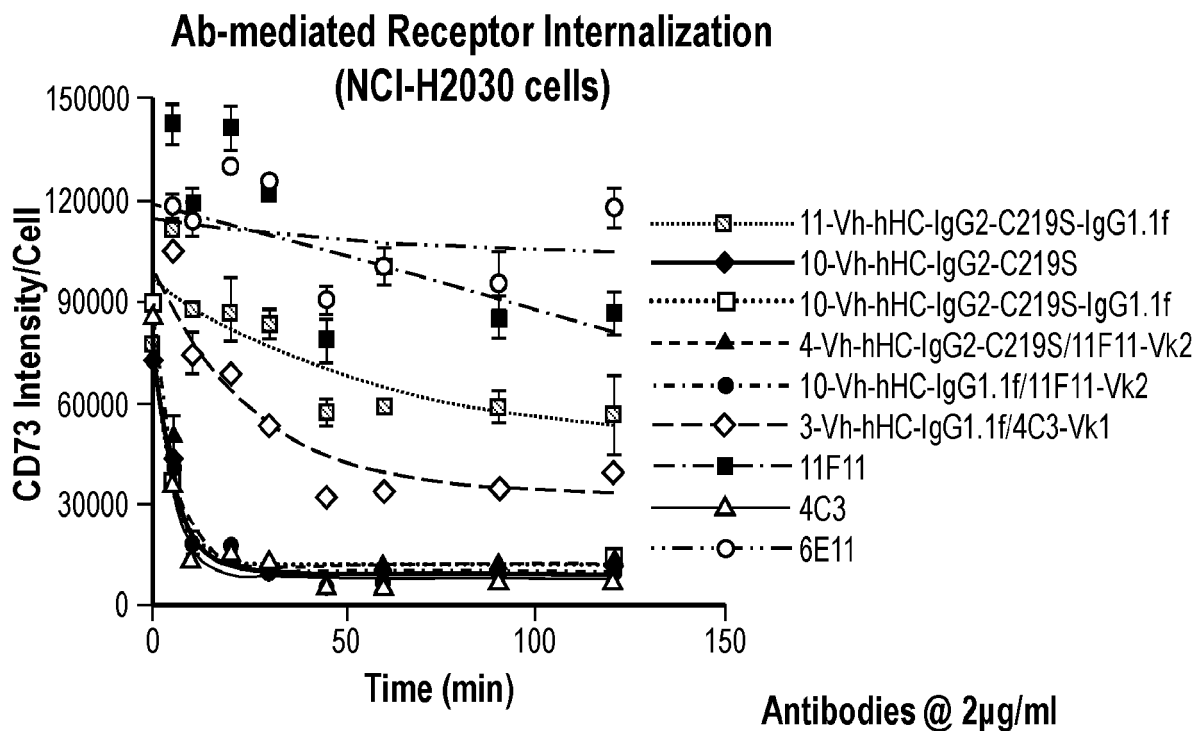
Ab (ug.mL)

Fig. 22D

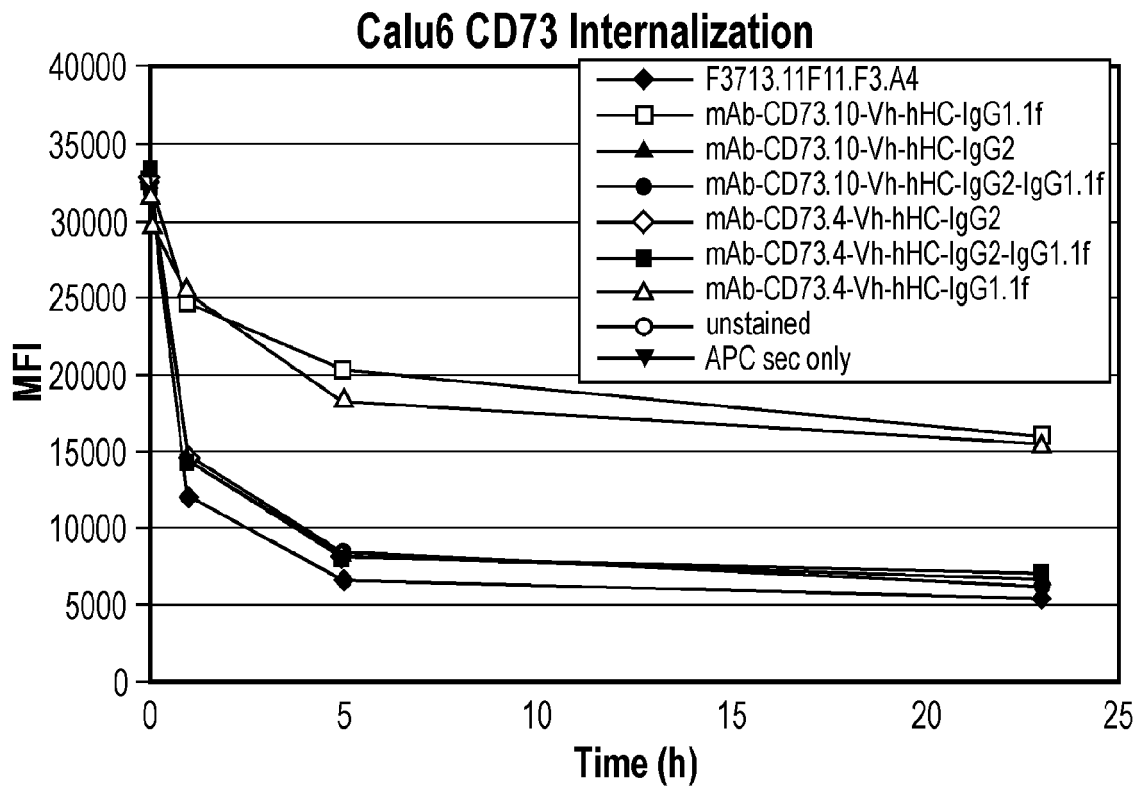
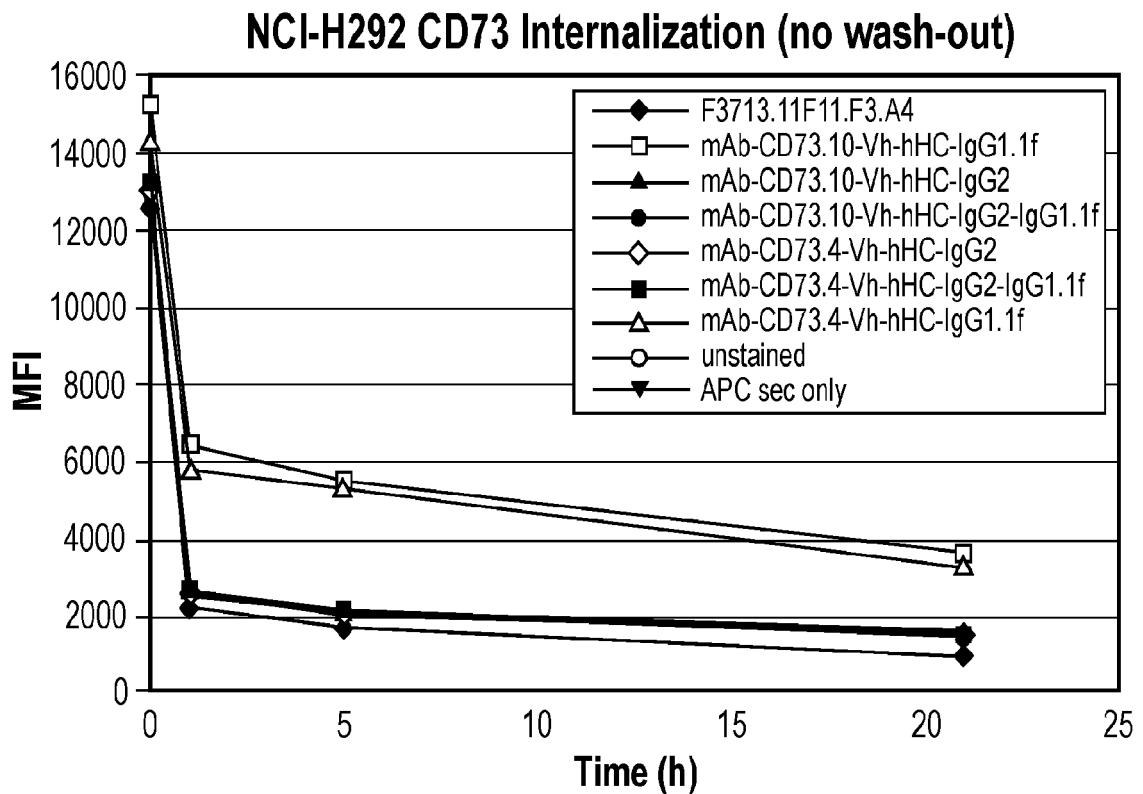
57/87

**Fig. 23A****Fig. 23B**

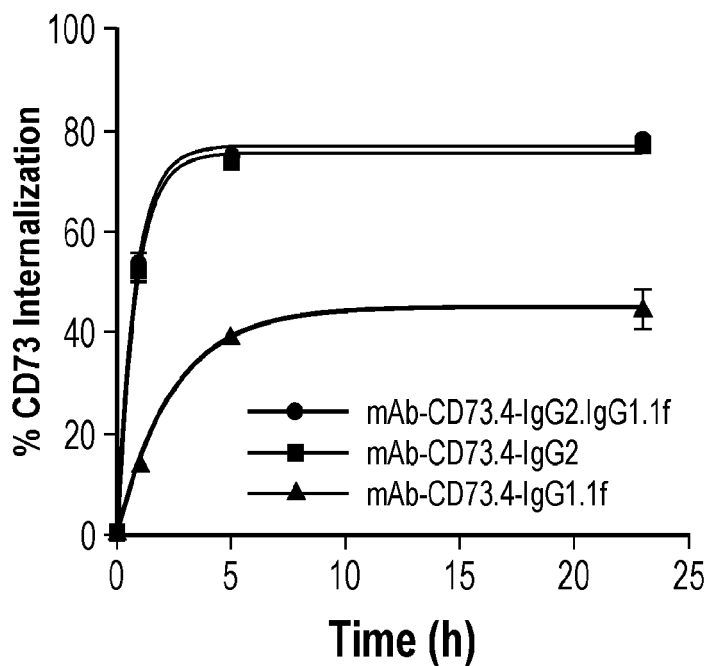
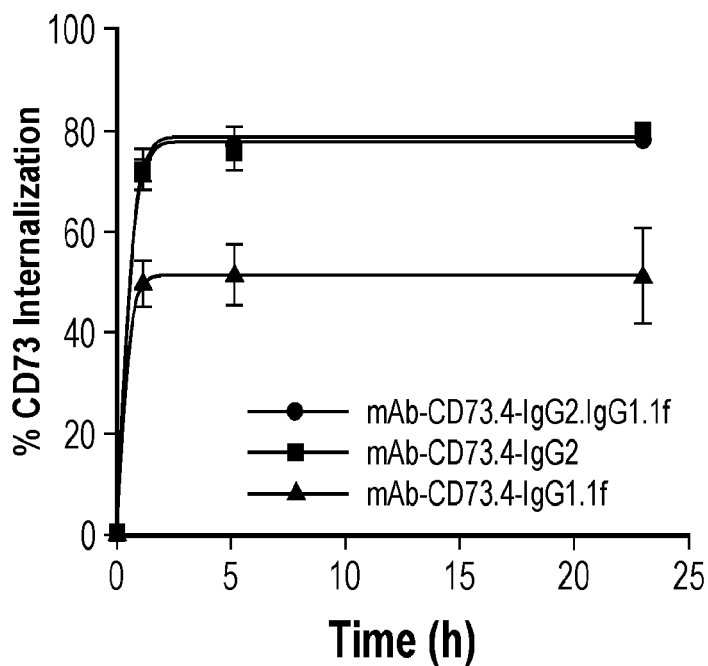
58/87

**Fig. 23C****Fig. 23D**

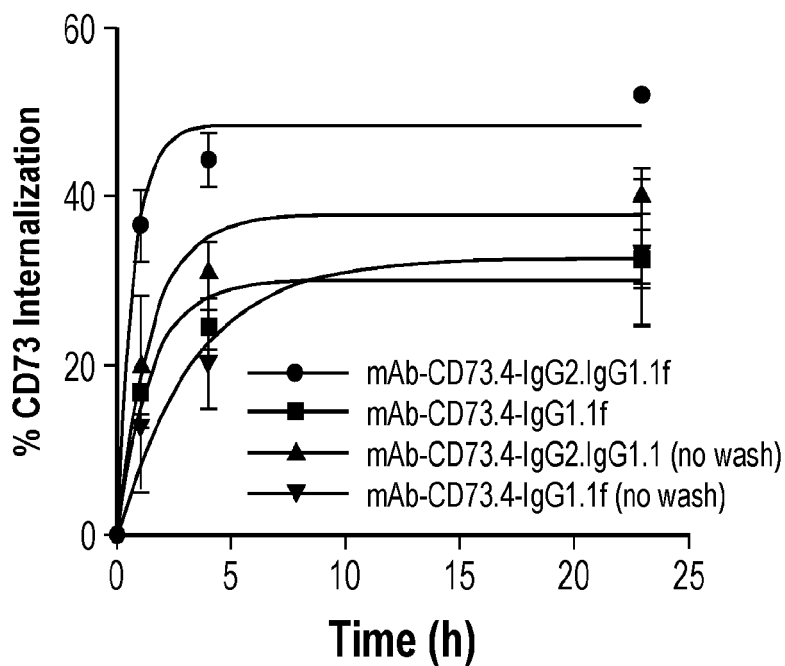
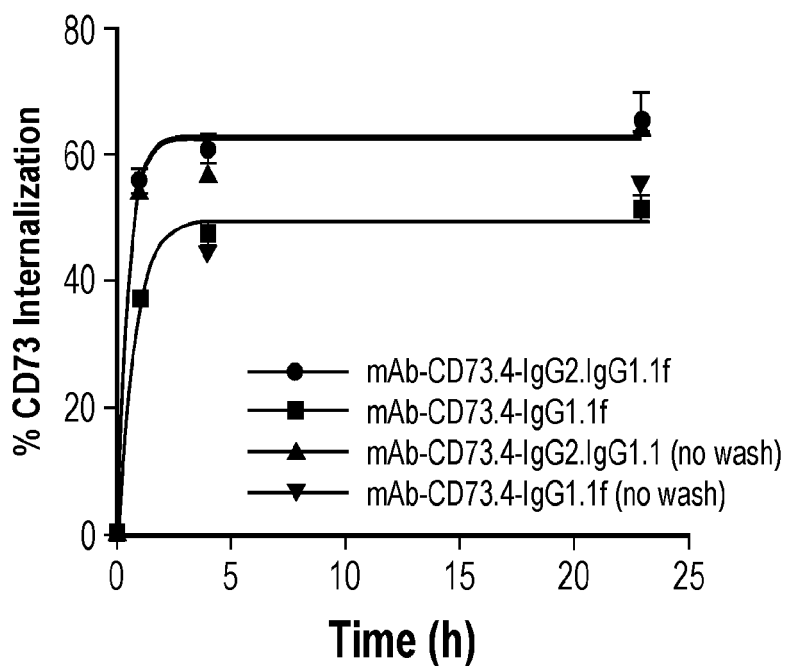
59/87

**Fig. 23E****Fig. 23F**

60/87

Calu6 CD73 Internalization**Fig. 23G****NCI-H292 CD73 Internalization****Fig. 23H**

61/87

SNU-C1 Internalization**Fig. 23I****NCI-H1437 CD73 Internalization****Fig. 23J**

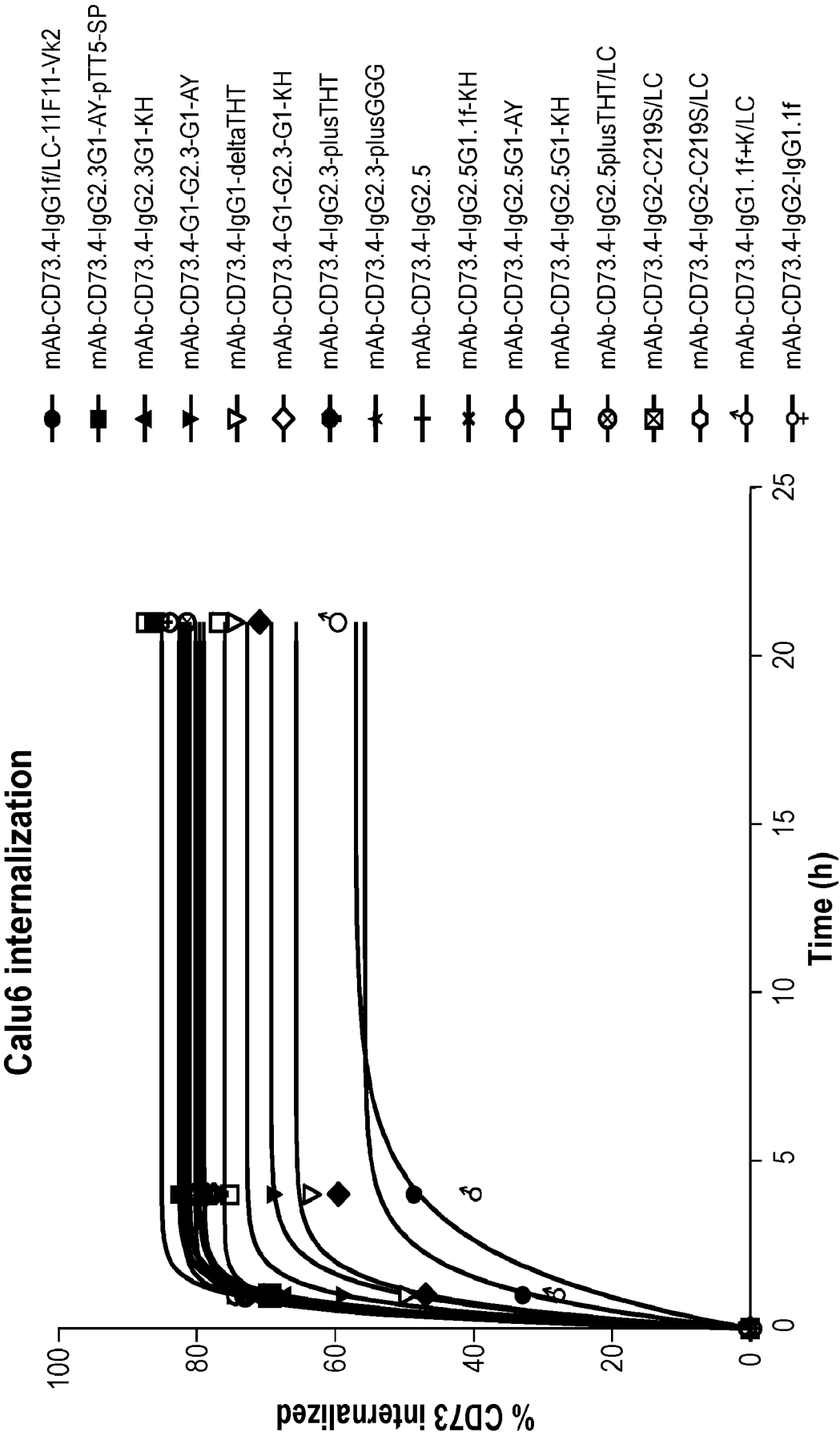


Fig. 23K

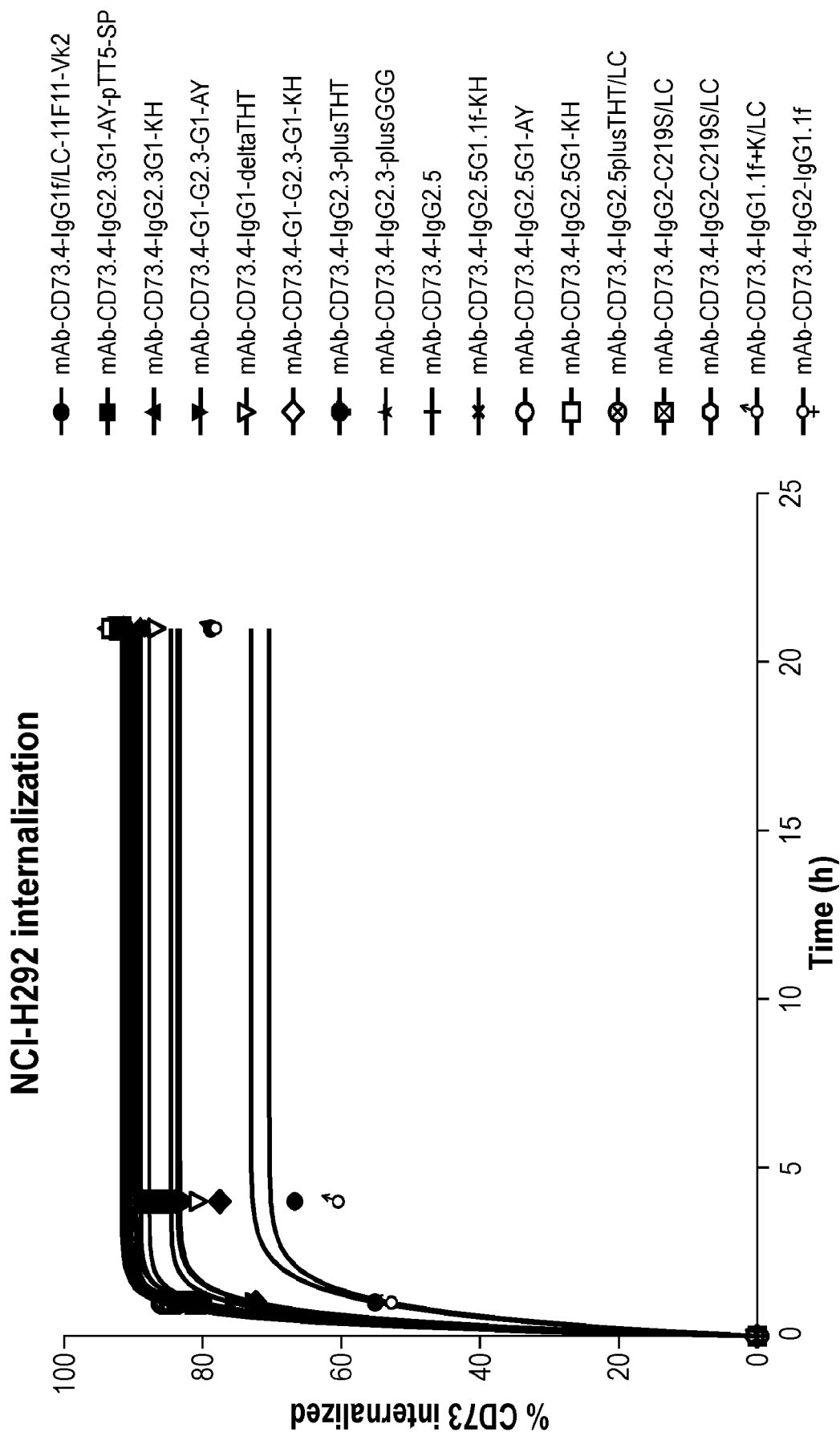
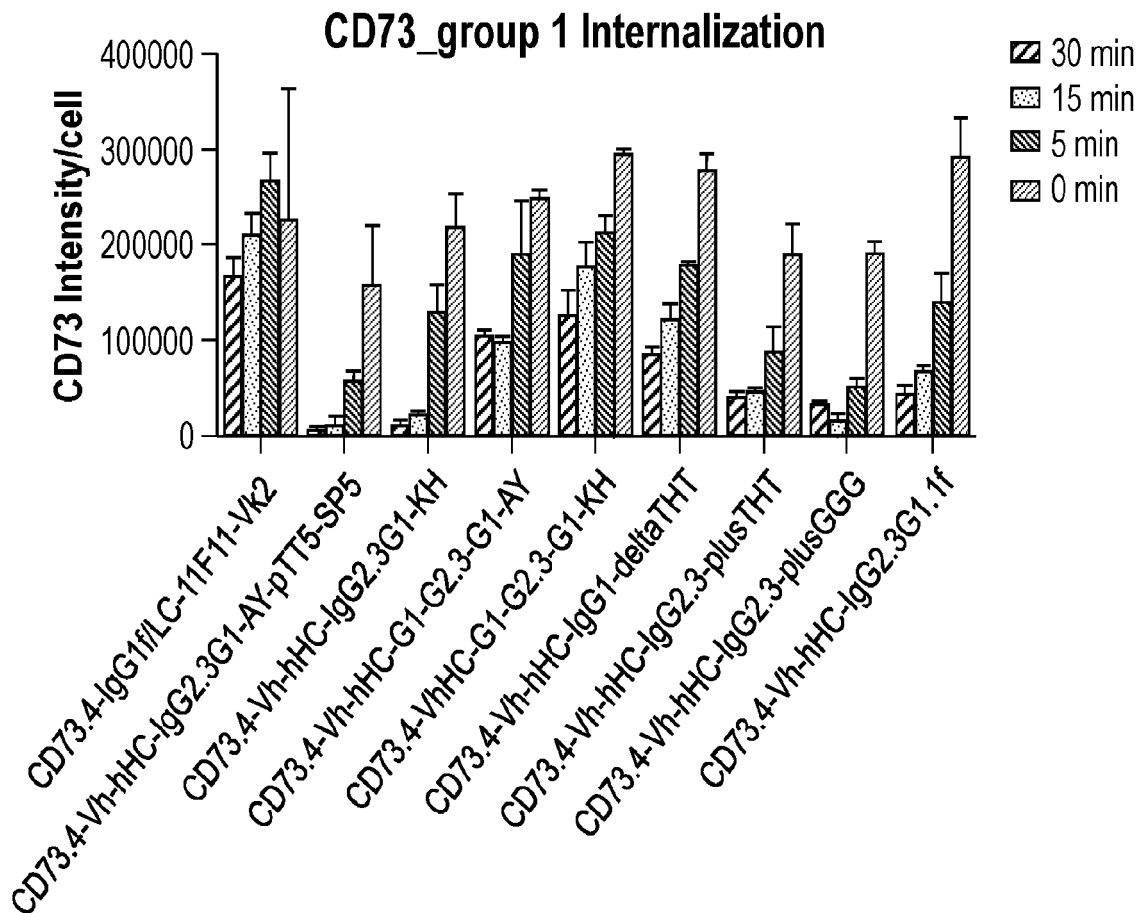
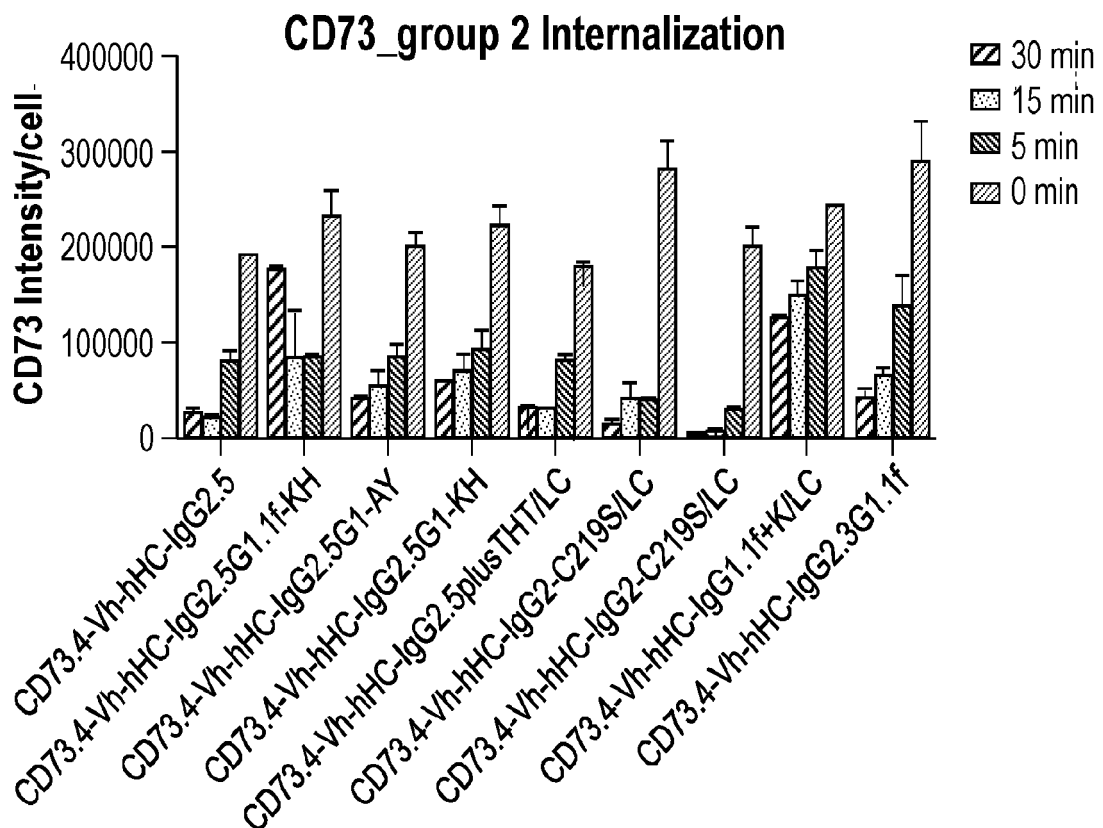


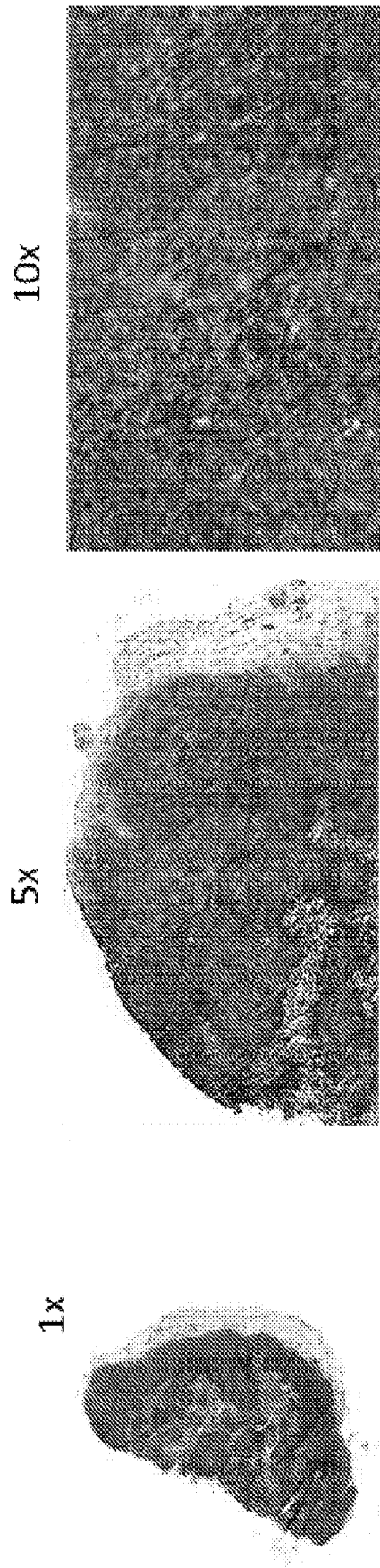
Fig. 23L

64/87

**Fig. 23M**

65/87

A. Control mAb treated animals, harvested day 4 after treatment:



B. Anti-CD73 treated animals harvested day 1 after treatment:

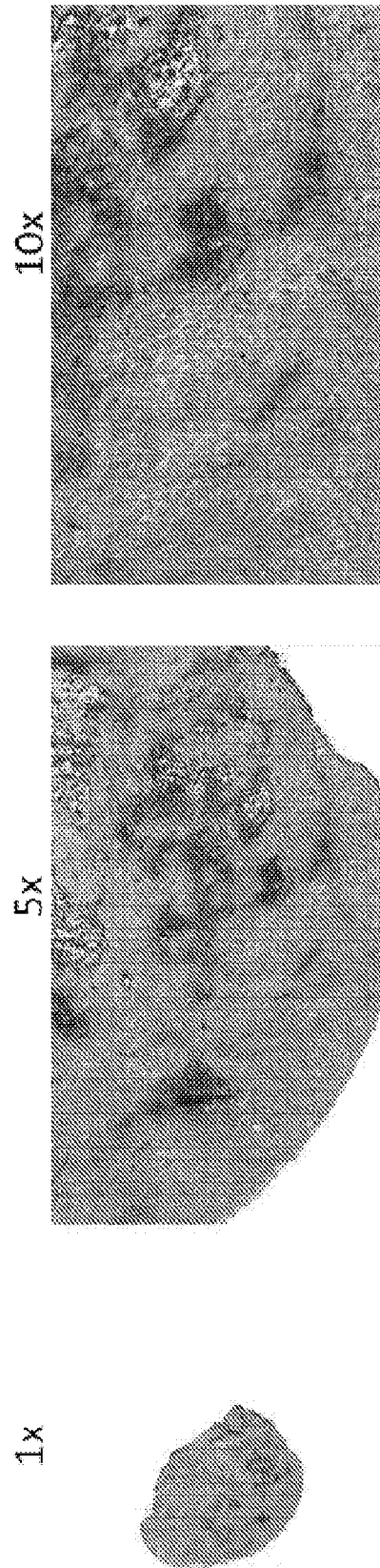
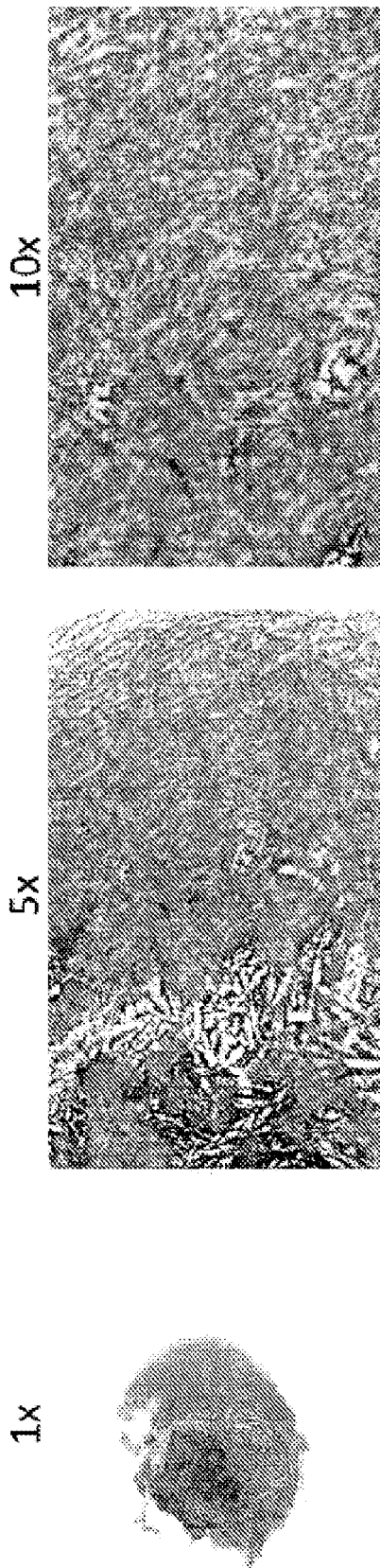


Fig. 24A-B

66/87

C. Anti-CD73 treated animals harvested day 2 after treatment:



D. Anti-CD73 treated animals harvested day 3 after treatment:

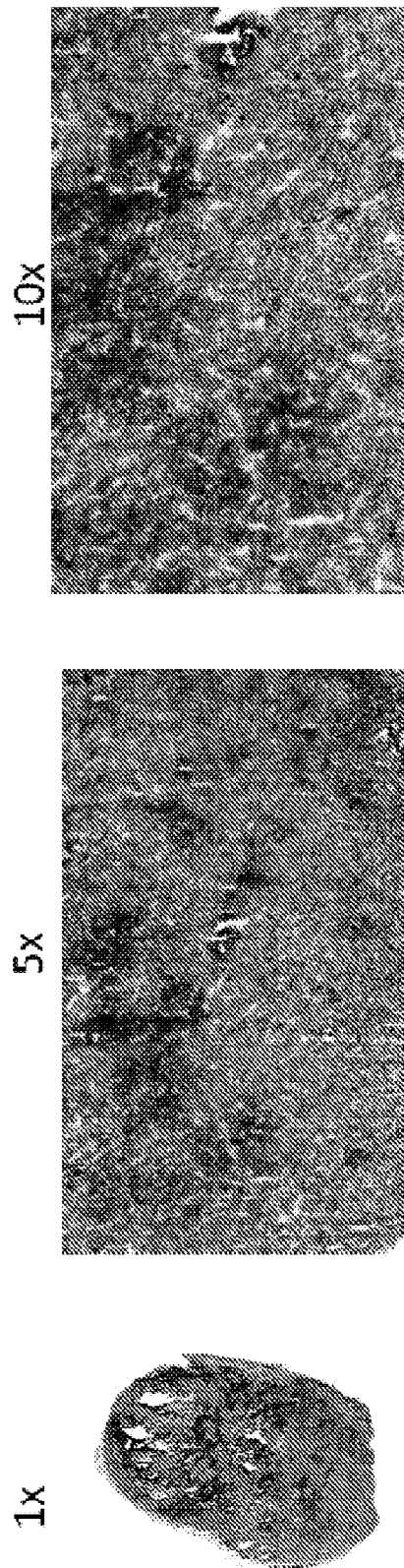
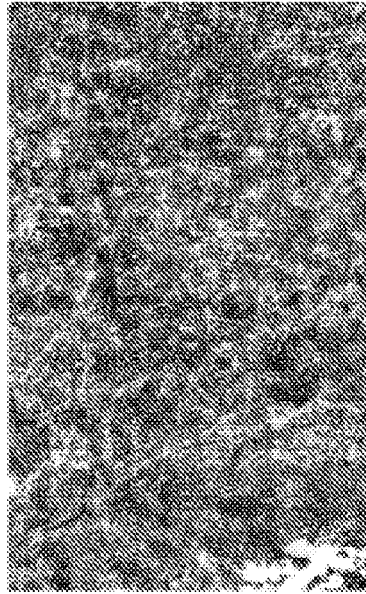


Fig. 24C-D

67/87

10x



5x



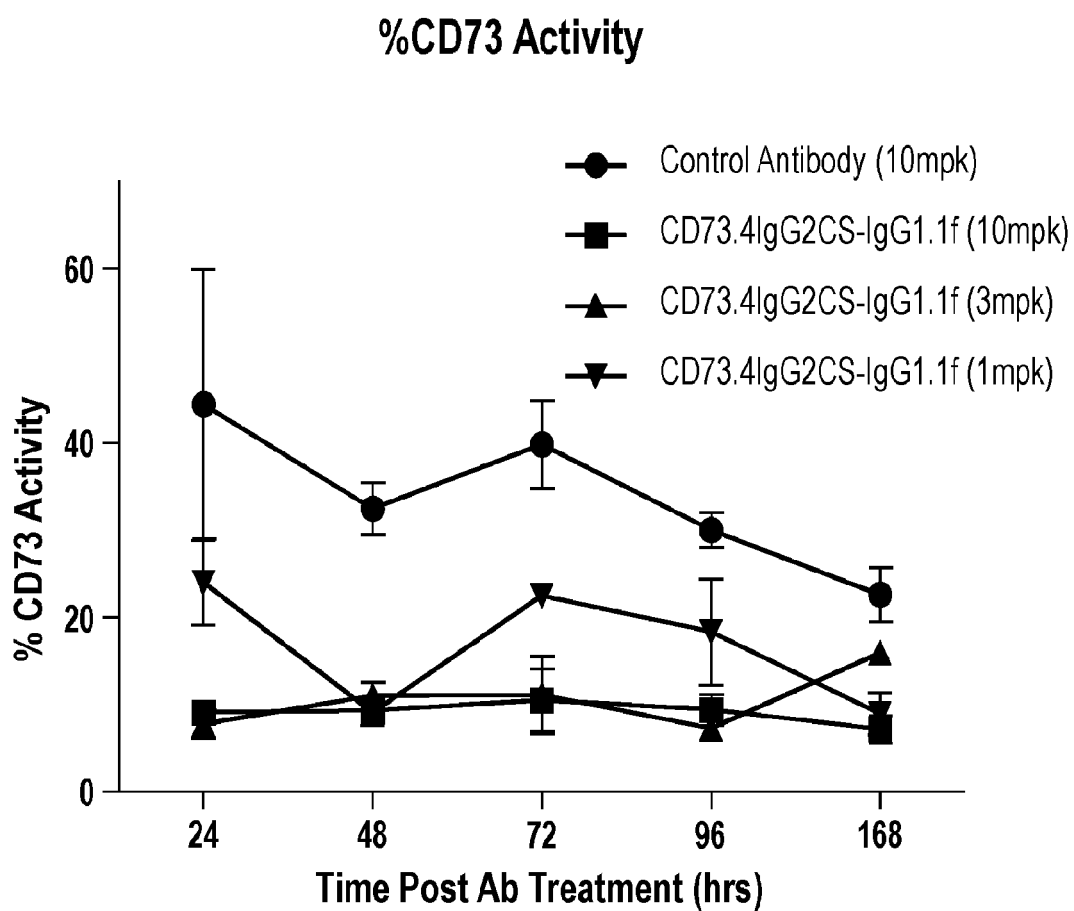
1x



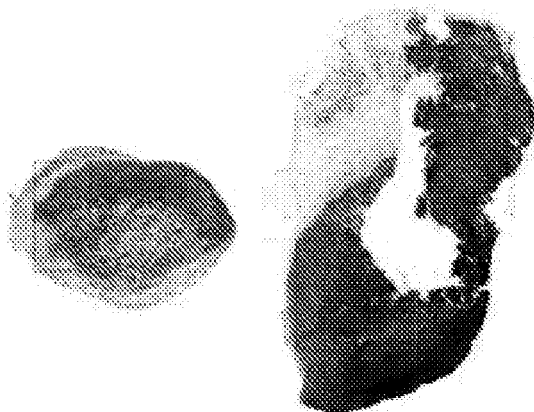
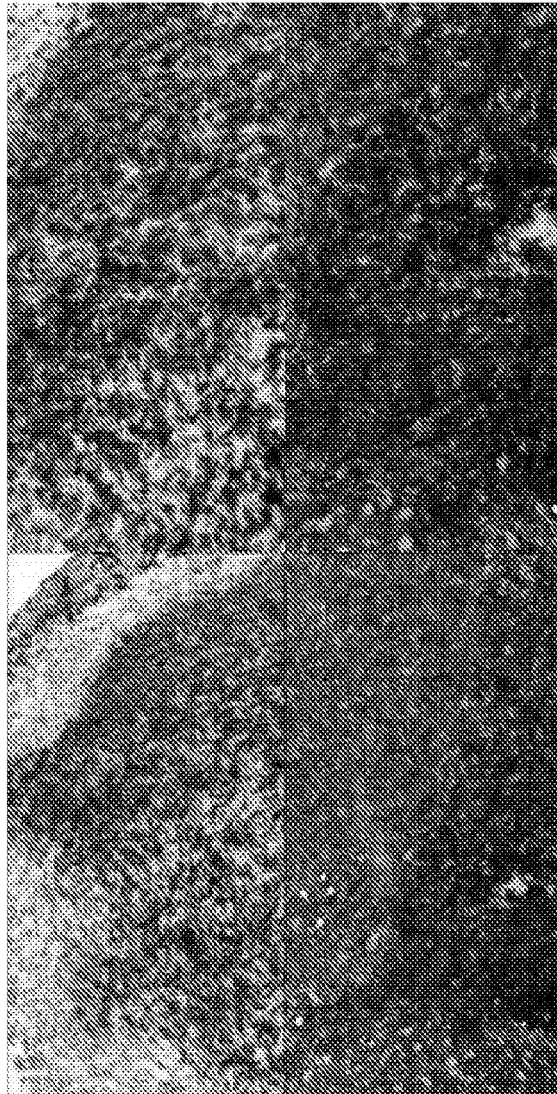
E. Anti-CD73 treated animals harvested day 7 after treatment:

Fig. 24E

68/87

**Fig. 24F**

CONTROL TUMORS



TY23 DOSED TUMORS

Fig. 25A

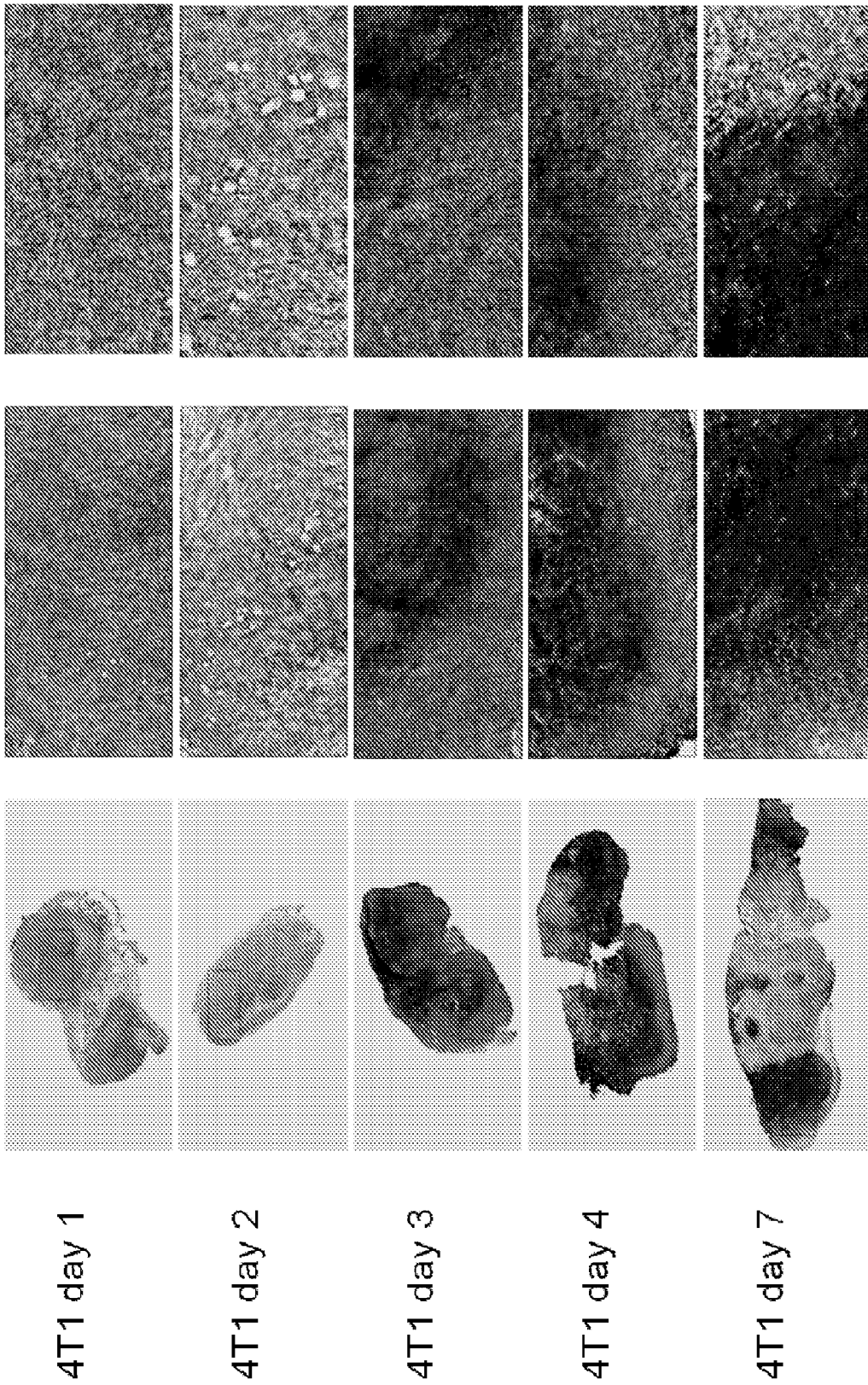
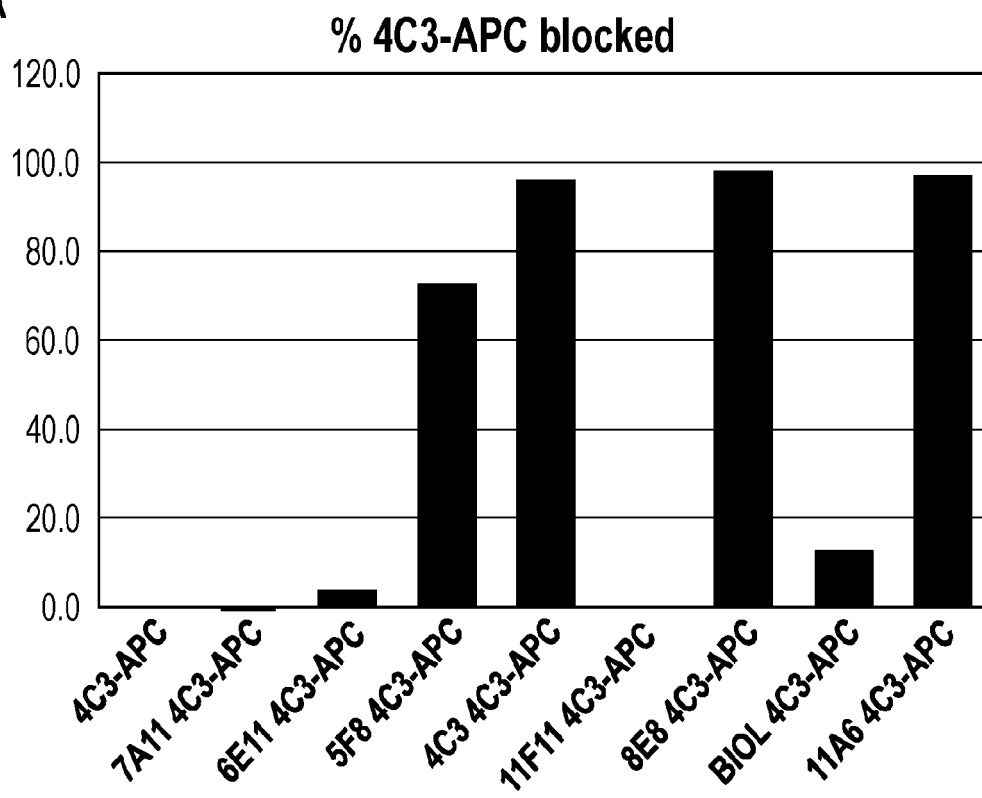
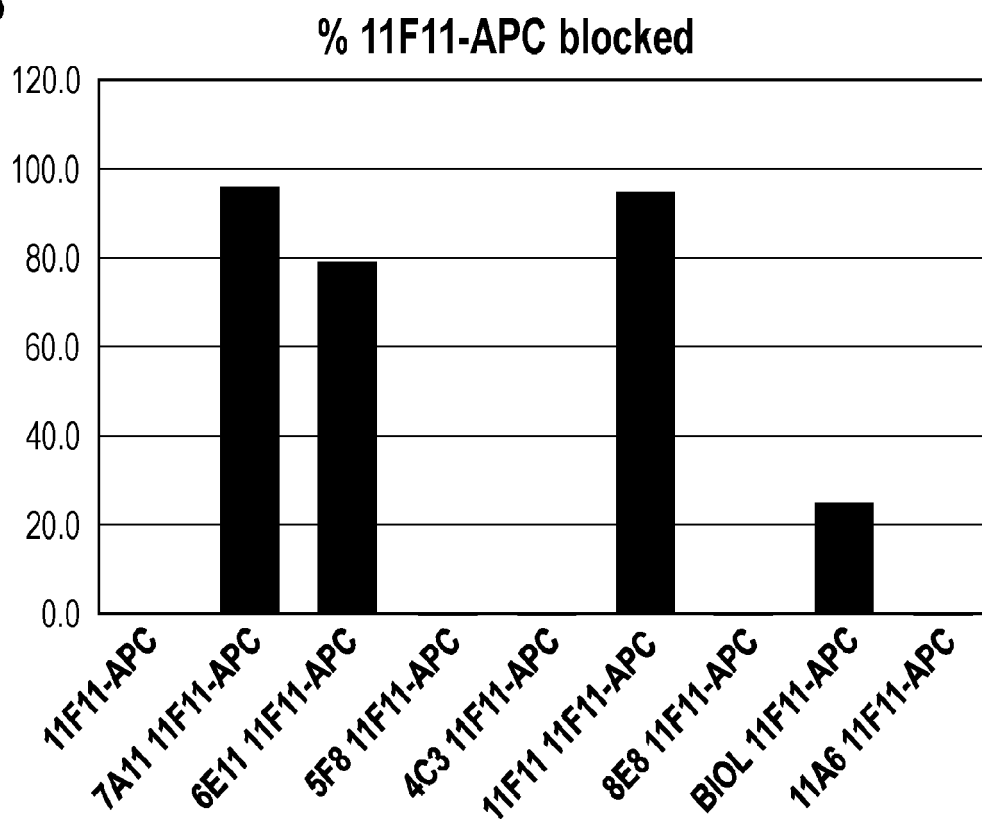


Fig. 25B

71/87

A**B****Fig. 26A-B**

72/87

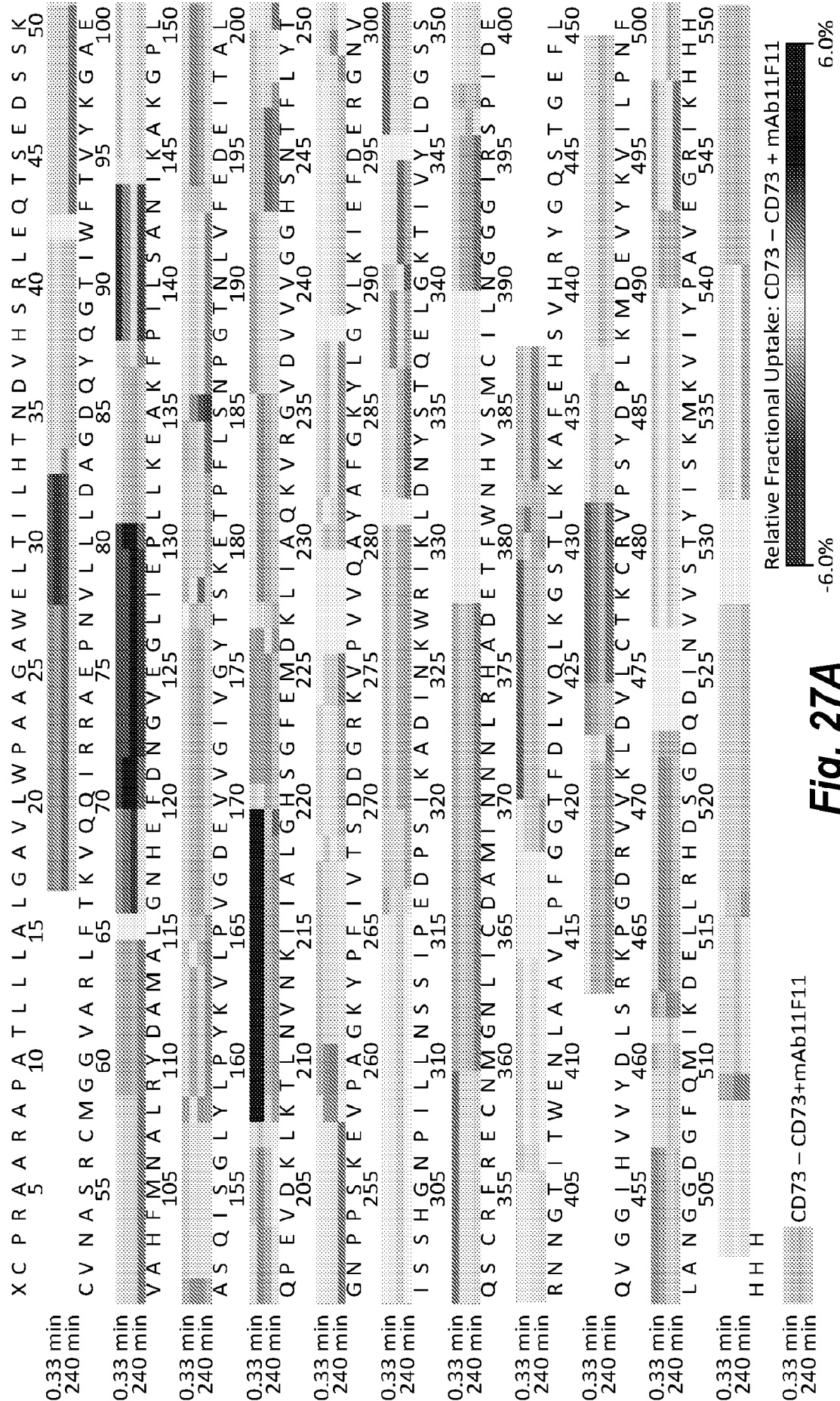


Fig. 27A

73/87

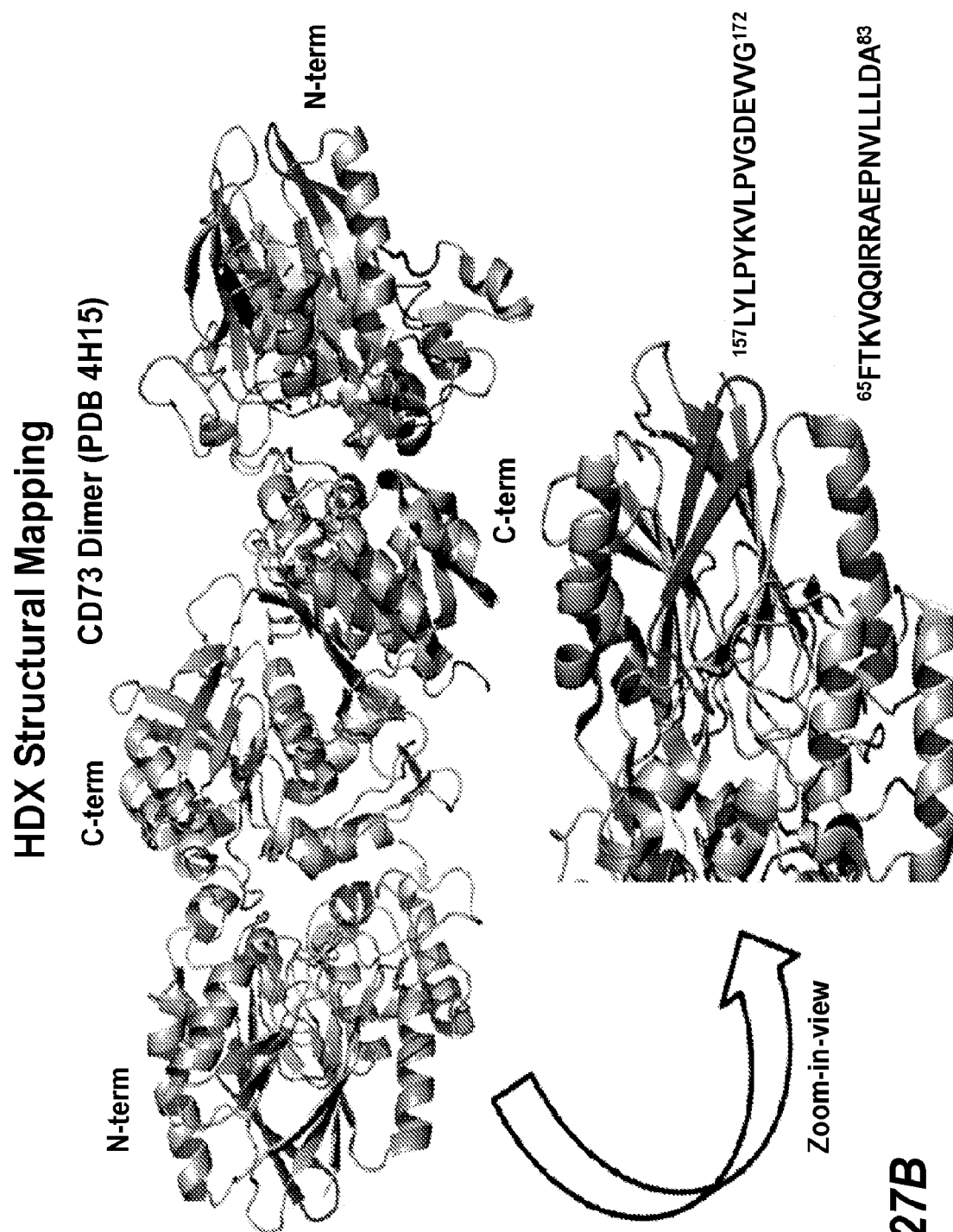
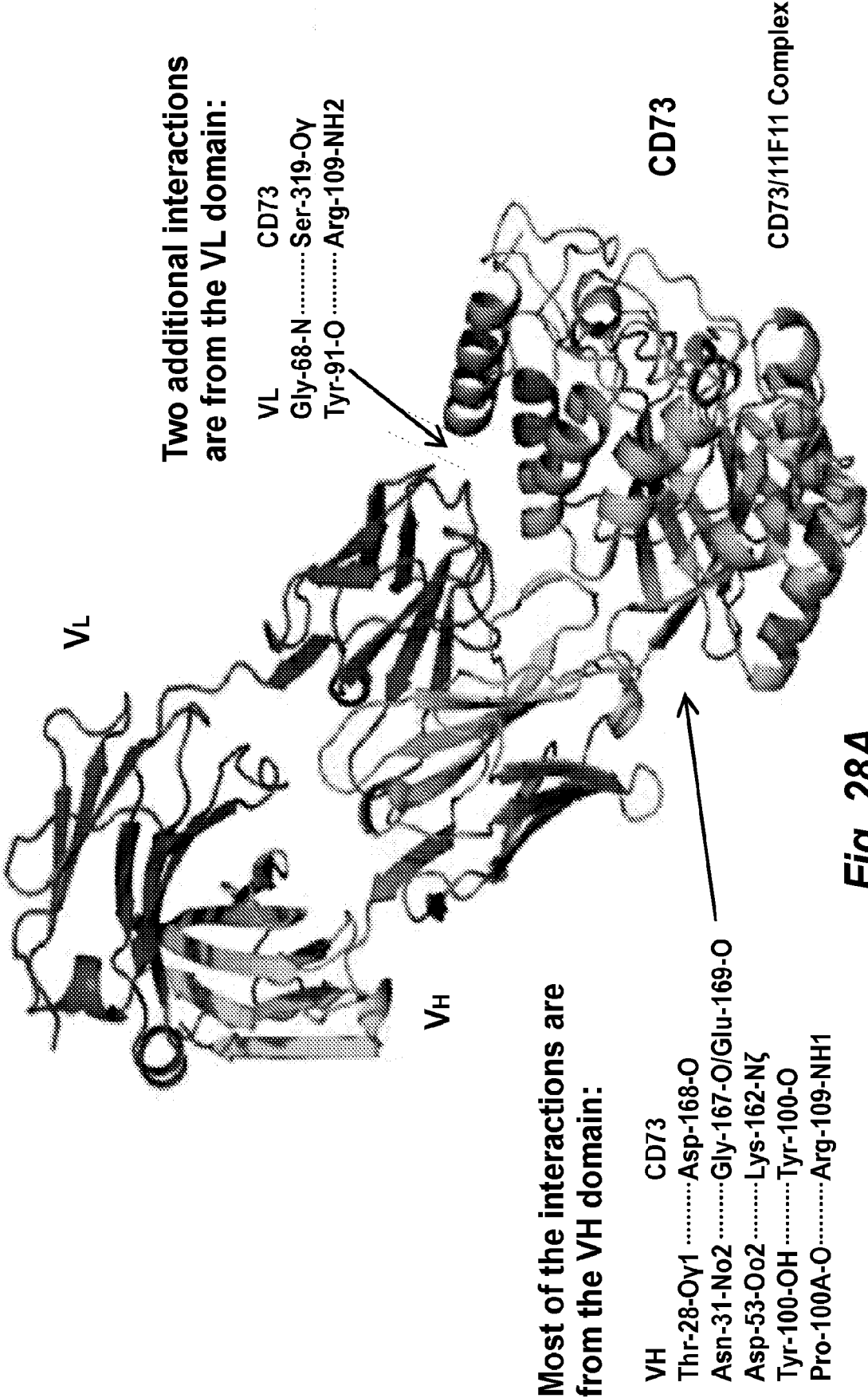
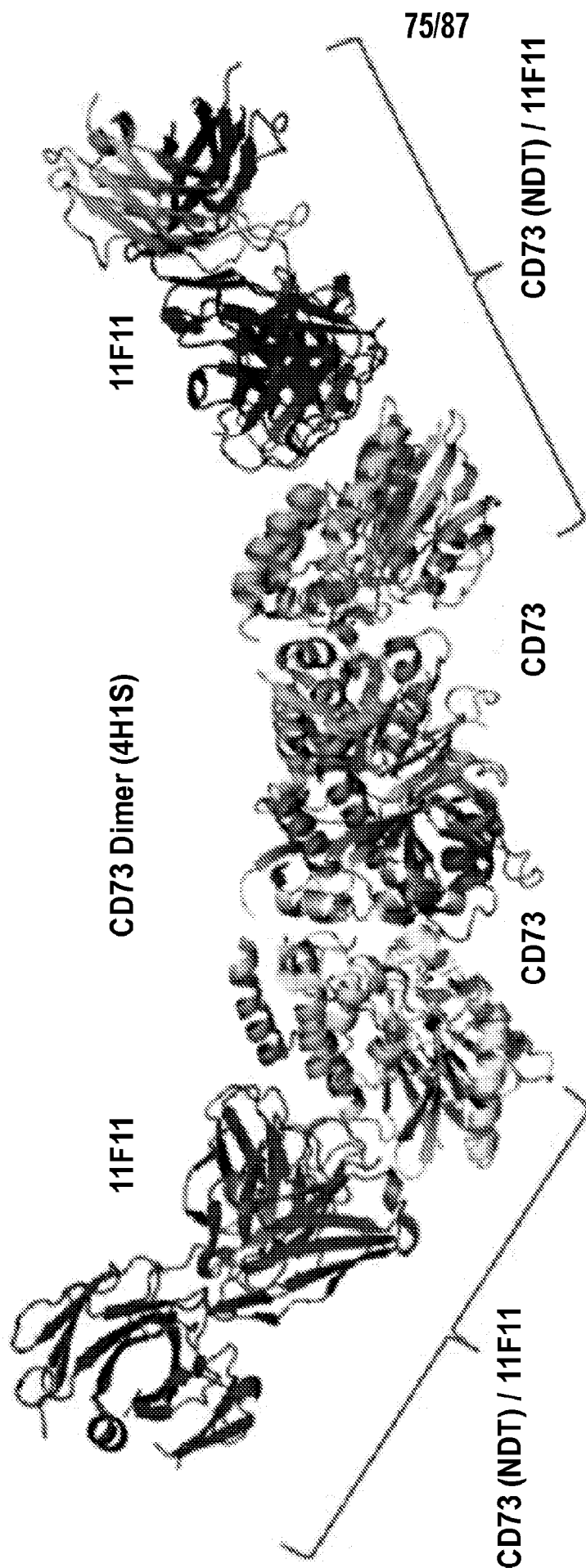


Fig. 27B





Composite structure of two CD73(NDT)/11F11 complexes
superimposed on CD73 dimer (PDP Entry 4H1S)

Fig. 28B

Surface rendering of 11F11 (grey) with
Interacting residues of CD73 (magenta).
Buried surface shown in yellow and
contact surface in orange

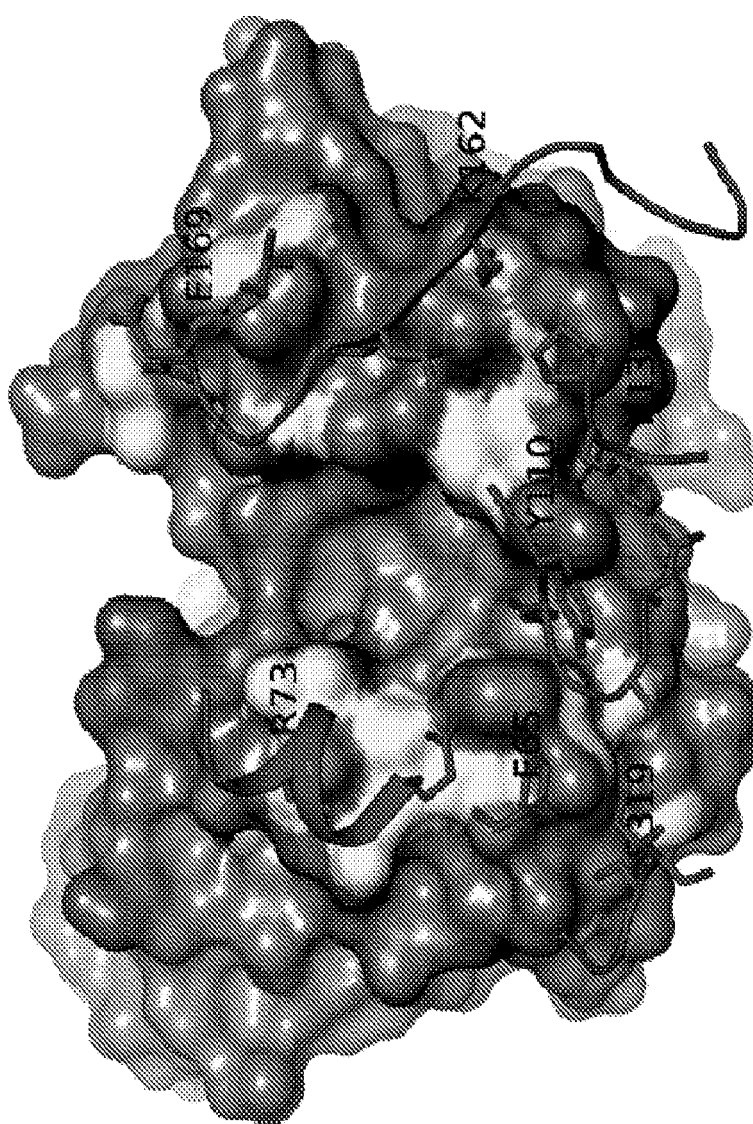


Fig. 28C

Surface rendering of CD73 (grey) with
Interacting residues of 11F11 (magenta).
Buried surface shown in yellow and
contact surface in orange

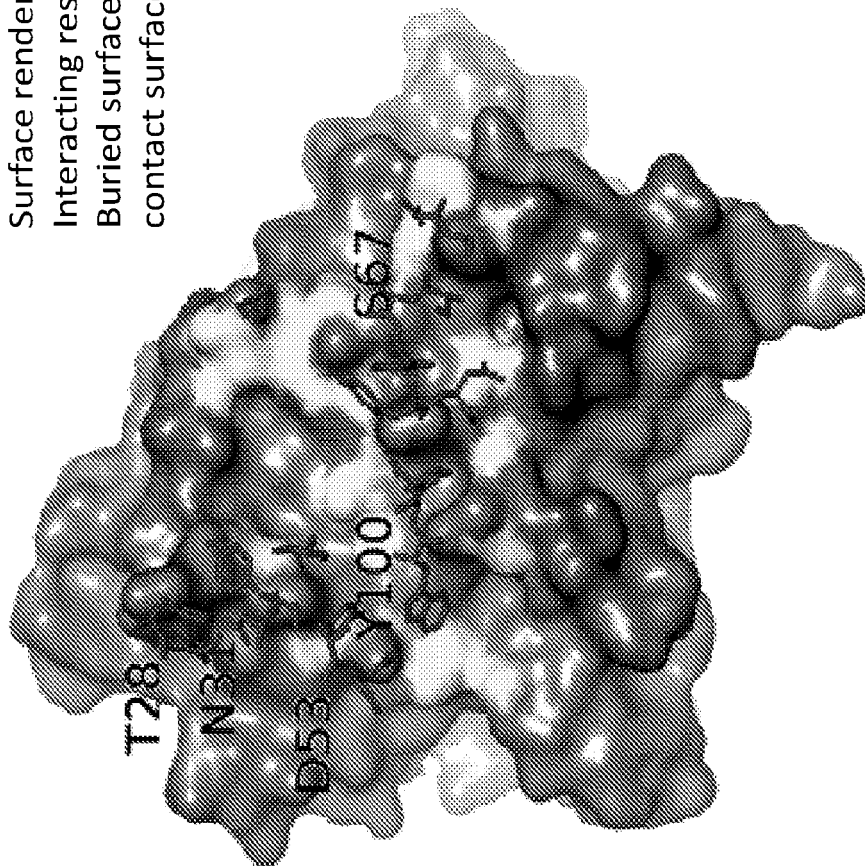


Fig. 28D

78/87

Table 25: SEC-MALS data for CD73/mAb complexes

Target	mAb	Molar ratio	[target] (uM)	[mAb] (uM)	UV elution time (min)				SEC UV integration by %				MW (kDa)			
					Peak 1	Peak 2	Peak 3	Peak 4	Peak 1	Peak 2	Peak 3	Peak 4	Peak 1	Peak 2	Peak 3	Peak 4
	CD73.10-IgG1.1f	0:1		4	~2.0	~14.0	~17.3		0.3	0.3	99.4		n/a	62	140	
	CD73.10-IgG2-C219S	0:1		4	~2.0	~17.5			0.1	99.5			150	73	150	
	CD73.3-IgG1.1f	0:1		4	~16.3				100.0				150			
	11F11-Fab	0:1		8	~2.0	~17.7	~20.2		0.8	0.6	98.7		n/a	19	47	
hCD73-his		1:0	4		~17.1	~18.4			2.8	97.2			280	120		
N-hCD73-his		1:0	8		~19.3				100.0				38			
hCD73-his	CD73.10-IgG1.1f	1:1	4	4	~11.7	~12.7	~16.9		34.2	67.2	3.0		1100	540	180	
hCD73-his	CD73.10-IgG2-C219S	1:1	4	4	~10.3	~11.1			6.4	93.3			110000	3400		
hCD73-his	CD73.3-IgG1.1f	1:1	4	4	~12.0	~13.0	~14.8		17.5	78.3	4.0		960	530	260	
hCD73-his	11F11-Fab	1:2	4	8	~12.6	~14.7	~16.8	~20.1	0.9	90.7	0.8	7.7	300	310	85	40
N-hCD73-his	CD73.10-IgG1.1f	2:1	8	4	~14.6	~17.1			86.5	13.5			210	140		
N-hCD73-his	CD73.10-IgG2-C219S	2:1	8	4	~14.7	~17.3			87.1	12.9			210	150		
N-hCD73-his	CD73.3-IgG1.1f	2:1	8	4	~15.3	~16.2	~19.3		6.4	68.7	24.9		170	160	42	
N-hCD73-his	11F11-Fab	1:1	8	8	~17.4	~20.0			95.3	4.7			84	44		
hCD73		1:0	2.5	0	~16.9				100.0				120			
hCD73	CD73.4-hybrid	1:0.25	2.5	0.625	~11.8	~13.4	~17.1		42.0	21.6	36.4		1200	520	120	
hCD73	CD73.4-hybrid	1:0.5	2.5	1.25	~11.7	~13.4	~17.1		71.9	15.8	13.4		1900	540	130	
hCD73	CD73.4-hybrid	1:1	2.5	2.5	~11.5	~13.4	~17.1		95.3	1.9	2.8		3300	1000	530	
hCD73	CD73.4-hybrid	1:2	2.5	5	~11.7	~13.4	~15.3	~17.1	52.5	17.7	0.6	29.3	1700	500	220	140
hCD73	CD73.4-hybrid	1:4	2.5	10	~11.7	~13.4	~15.3	~17.1	24.1	16.2	1.2	58.6	1300	500	200	140
hCD73		1:0	2.5	0	~16.9	~18.2			97.6	2.4			120	73		
hCD73	CD73.4-IgG1.1f	1:0.25	2.5	0.625	~12.3	~13.1	~17.1		11.8	49.5	38.6		830	530	120	
hCD73	CD73.4-IgG1.1f	1:0.5	2.5	1.25	~12.3	~13.1	~17.1		31.1	54.8	3.3	10.7	890	540	120	81
hCD73	CD73.4-IgG1.1f	1:1	2.5	2.5	~12.1	~12.3	~13.1	~17.0	55.2	44.5	2.1	2.2	1100	560	280	160
hCD73	CD73.4-IgG1.1f	1:2	2.5	5	~12.3	~13.1	~15.3	~17.0	22.3	44.1	2.8	30.7	910	530	210	140
hCD73	CD73.4-IgG1.1f	1:4	2.5	10	~12.3	~13.2	~15.3	~17.0	9.1	31.0	2.4	57.4	810	510	200	140
N-hCD73	CD73.4-hybrid	1:1	5	2.5	~13.9	~14.7	~15.9	~17.0	0.7	88.3	8.1	2.8	390	210	180	150
N-hCD73	CD73.4-IgG1.1f	1:1	5	2.5	~13.4	~14.7			1.7	98.3			360	210		
	CD73.4-hybrid	0:1	0	5	~15.9	~16.9			0.4	99.6			290	140		
	CD73.4-IgG1.1f	0:1	0	5	~14.2	~15.9	~17.1		0.6	1.2	98.2		81	120	140	
hCD73	CD73.4-IgG2-C219S	1:1	2.5	2.5	~11.5	~13.4	~17.3		95.0	2.1	2.8		3400	970	480	
hCD73	CD73.4-IgG2-C219S-IgG1.1f	1:1	2.5	2.5	~11.5	~13.4	~17.3		94.7	2.3	3.0		3600	1100	580	
hCD73	CD73.4-IgG1.1f	1:1	2.5	2.5	~11.7	~13.0	~15.1	~17.0	60.0	35.3	2.3	2.5	1300	550	270	160
hCD73	CD73.10-IgG2-C219S	1:1	2.5	2.5	~11.8	~16.9			96.2	3.2			2000	310		
hCD73	CD73.10-IgG2CS-1.1	1:1	2.5	2.5	~11.8	~16.9			96.6	2.5	0.9		2000	320	390	
hCD73	CD73.10-IgG1.1f	1:1	2.5	2.5	~12.1	~13.0	~16.5		35.1	62.1	2.7		1000	530	170	
hCD73		1:0	2.5	0	~17.3	~18.4			97.2	2.8			120	60		
hCD73	CD73.4-IgG2-C219S-IgG1.1f	1:1	5	5	~11.5	~13.4	~17.3		93.9	2.6	3.5		4800	1300	740	
hCD73	CD73.4-IgG2-C219S-IgG1.1f	1:1	1	1	~11.5	~13.4	~15.0	~17.3	84.4	7.6	2.5	5.4	2900	660	460	240

* Molar concentrations are defined as N-hCD73 monomer, 11F11-Fab monomer, hCD73-his dimer, and (bivalent) mAb

Fig. 29A

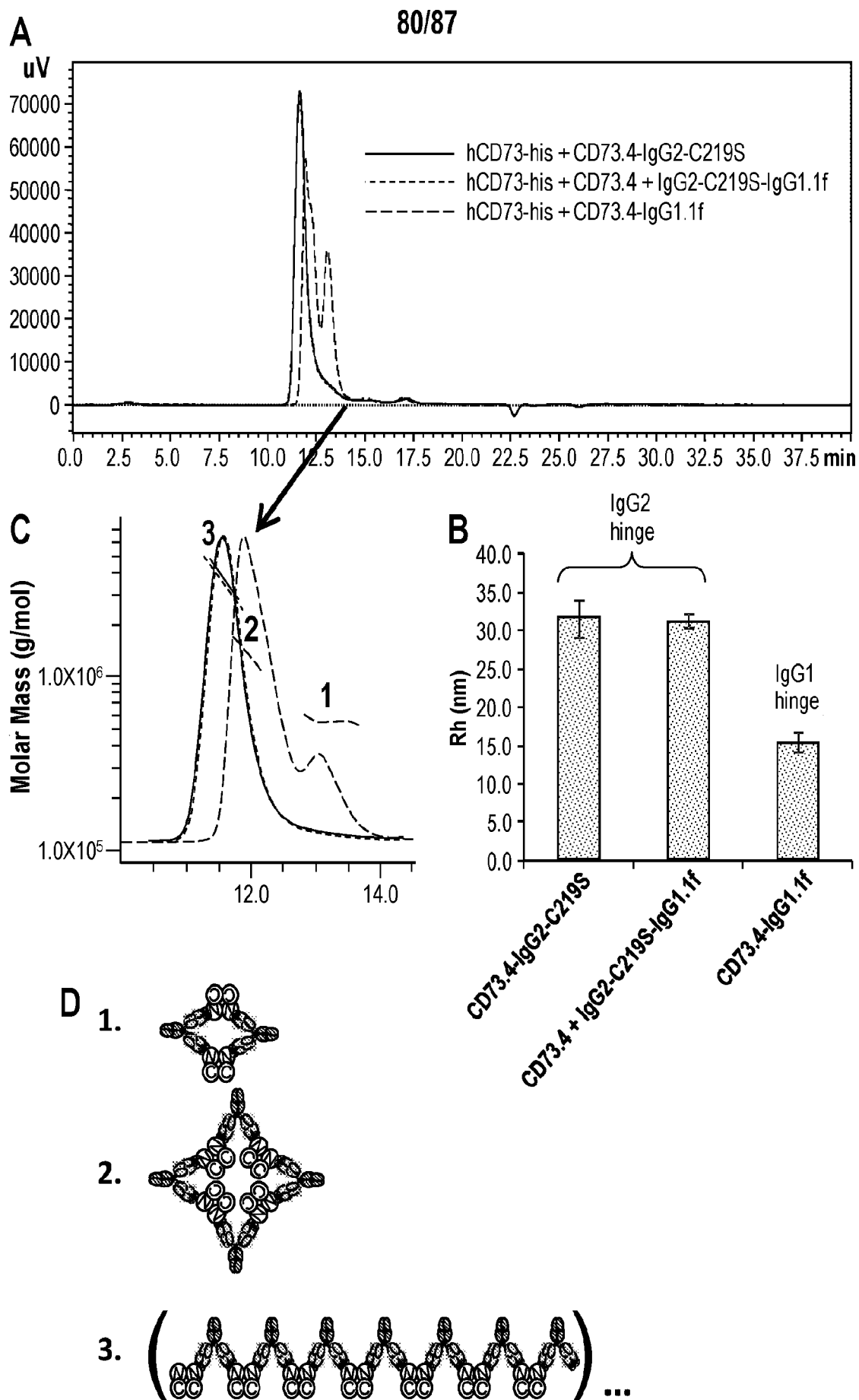
79/87

Table 26: DLS data for CD73/mAb complexes:

Target	mAb	Molar ratio	[target] (uM)	[mAb] (uM)	DLS					
					Rh	Rh SD	%Pd	%Pd SD	%Mass	%Mass SD
	CD73.10-IgG1.1f	0:1		4	5.0	0.6	11.0	6.0	100.0	0.0
	CD73.10-IgG2-C219S	0:1		4	5.2	0.1	11.9	2.3	100.0	0.0
	CD73.3-IgG1.1f	0:1		4	5.1	0.5	11.6	6.9	100.0	0.0
	11F11-Fab	0:1		8	3.4	0.2	22.0	5.3	100.0	0.1
hCD73-his		1:0	4		4.3	0.3	10.6	5.2	99.8	0.2
N-hCD73-his		1:0	8		2.3	0.2	19.3	12.3	99.9	0.2
hCD73-his	CD73.10-IgG1.1f	1:1	4	4	12.8	0.7	32.4	6.7	100.0	0.0
hCD73-his	CD73.10-IgG2-C219S	1:1	4	4	2.9	1.5	7.5	0.8	73.9	11.5
hCD73-his	CD73.3-IgG1.1f	1:1	4	4	10.8	0.1	28.2	0.6	100.0	0.0
hCD73-his	11F11-Fab	1:2	4	8	6.4	0.1	15.1	4.3	100.0	0.0
N-hCD73-his	CD73.10-IgG1.1f	2:1	8	4	6.6	0.3	15.3	6.5	100.0	0.0
N-hCD73-his	CD73.10-IgG2-C219S	2:1	8	4	6.5	0.2	15.7	5.7	100.0	0.1
N-hCD73-his	CD73.3-IgG1.1f	2:1	8	4	5.8	0.3	12.8	5.3	100.0	0.0
N-hCD73-his	11F11-Fab	1:1	8	8	4.2	0.1	12.6	4.7	100.0	0.0
hCD73		1:0	2.5	0	4.5	0.1	12.3	4.3	99.9	0.2
hCD73	CD73.4-hybrid	1:0.25	2.5	0.625	13.2	1.7	46.5	5.9	99.9	0.1
hCD73	CD73.4-hybrid	1:0.5	2.5	1.25	17.5	1.0	31.7	8.8	62.6	25.8
hCD73	CD73.4-hybrid	1:1	2.5	2.5	29.9	1.0	25.1	2.1	22.3	4.9
hCD73	CD73.4-hybrid	1:2	2.5	5	14.4	0.1	31.3	5.5	68.7	25.8
hCD73	CD73.4-hybrid	1:4	2.5	10	11.4	0.9	42.9	3.5	90.2	17.5
hCD73		1:0	2.5	0	4.7	0.1	18.6	3.3	99.8	0.1
hCD73	CD73.4-IgG1.1f	1:0.25	2.5	0.625	10.4	1.5	38.6	15.9	81.3	37.1
hCD73	CD73.4-IgG1.1f	1:0.5	2.5	1.25	12.9	0.6	35.5	5.4	88.3	23.2
hCD73	CD73.4-IgG1.1f	1:1	2.5	2.5	14.7	0.5	34.3	3.9	100.0	0.0
hCD73	CD73.4-IgG1.1f	1:2	2.5	5	11.6	0.4	24.9	8.5	65.0	32.5
hCD73	CD73.4-IgG1.1f	1:4	2.5	10	8.1	4.0	33.0	16.9	84.2	31.7
N-hCD73	CD73.4-hybrid	1:1	5	2.5	6.7	0.3	13.9	7.0	100.0	0.0
N-hCD73	CD73.4-IgG1.1f	1:1	5	2.5	6.5	0.1	7.4	3.2	100.0	0.0
	CD73.4-hybrid	0:1	0	5	5.4	0.2	15.7	5.7	99.9	0.1
	CD73.4-IgG1.1f	0:1	0	5	5.3	0.4	13.6	7.9	100.0	0.0
hCD73	CD73.4-IgG2-C219S	1:1	2.5	2.5	31.7	2.4	31.6	11.4	19.3	12.2
hCD73	CD73.4-IgG2-C219S-IgG1.1f	1:1	2.5	2.5	31.2	0.9	30.8	3.8	17.5	11.4
hCD73	CD73.4-IgG1.1f	1:1	2.5	2.5	15.6	1.2	32.7	8.0	100.0	0.0
hCD73	CD73.10-IgG2-C219S	1:1	2.5	2.5	23.9	1.2	26.7	4.4	36.3	5.3
hCD73	CD73.10-IgG2CS-1.1	1:1	2.5	2.5	25.6	2.3	30.1	8.8	35.9	9.1
hCD73	CD73.10-IgG1.1f	1:1	2.5	2.5	13.5	1.2	31.6	12.0	83.2	31.5
hCD73		1:0	2.5	0	4.2	0.8	24.4	12.8	99.1	0.7
hCD73	CD73.4-IgG2-C219S-IgG1.1f	1:1	5	5	35.3	3.8	35.2	13.9	6.7	4.4
hCD73	CD73.4-IgG2-C219S-IgG1.1f	1:1	1	1	25.5	3.2	32.9	2.9	60.7	27.5

* Molar concentrations are defined as N-hCD73 monomer, 11F11-Fab monomer, hCD73-his dimer, and (bivalent) mAb

Fig. 29B

**Fig. 30A-D**

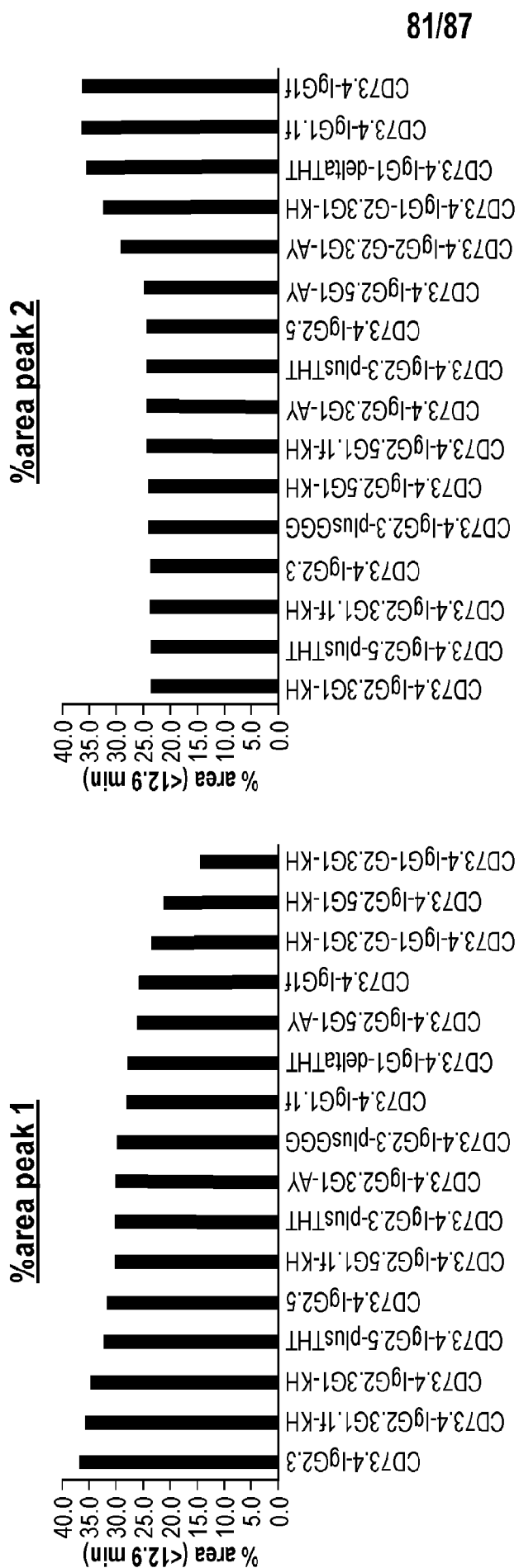
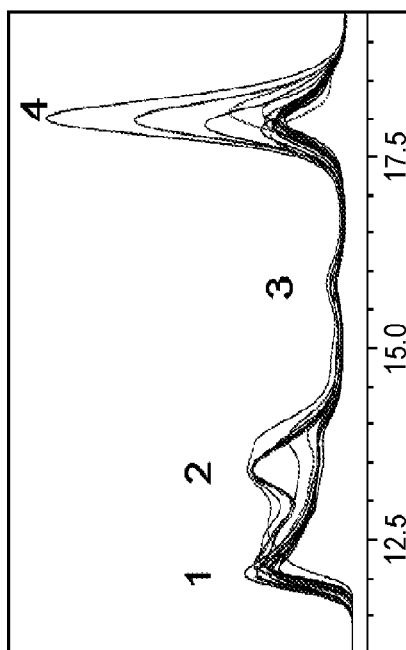


Fig. 30E

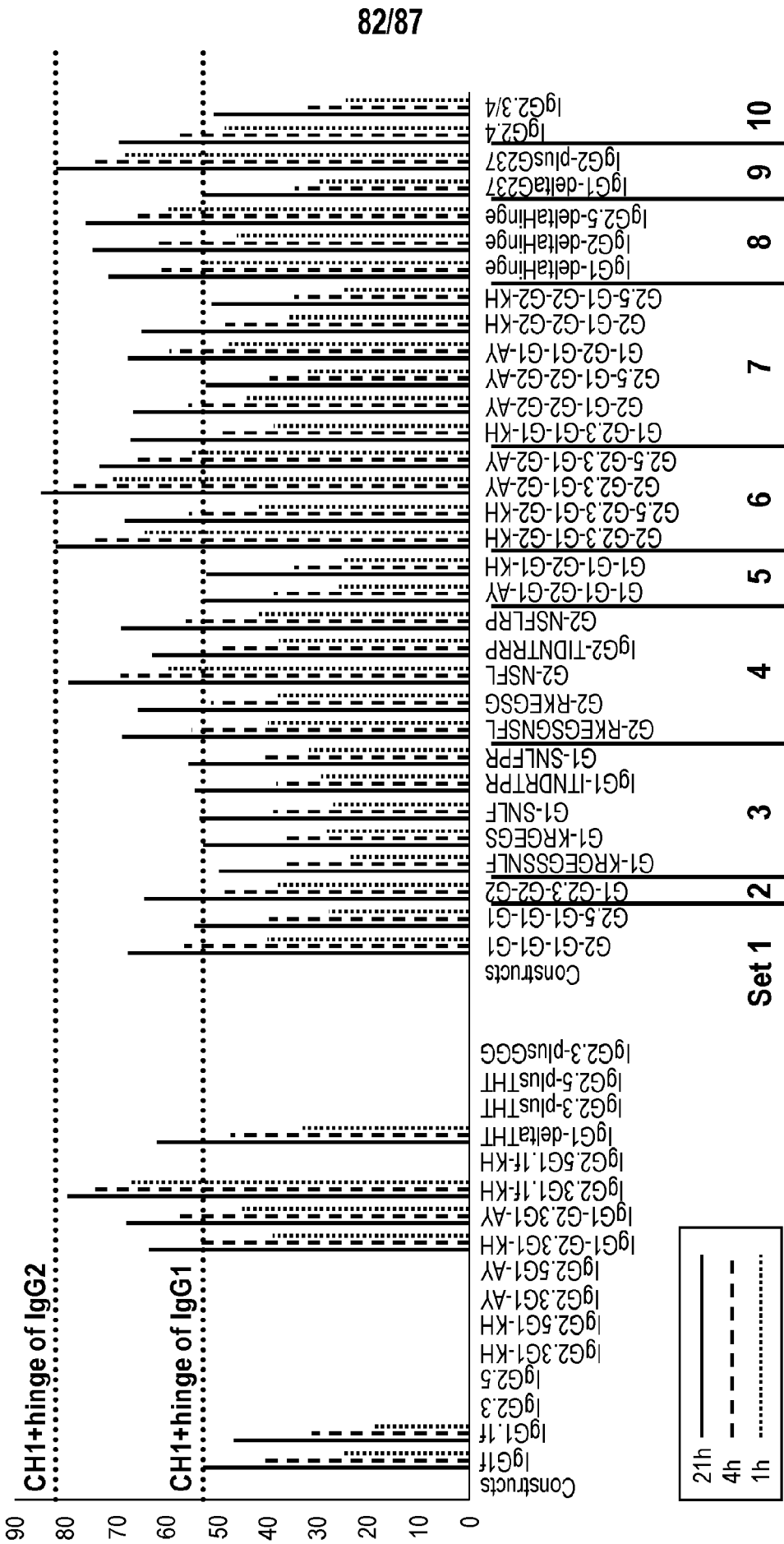


Fig. 31

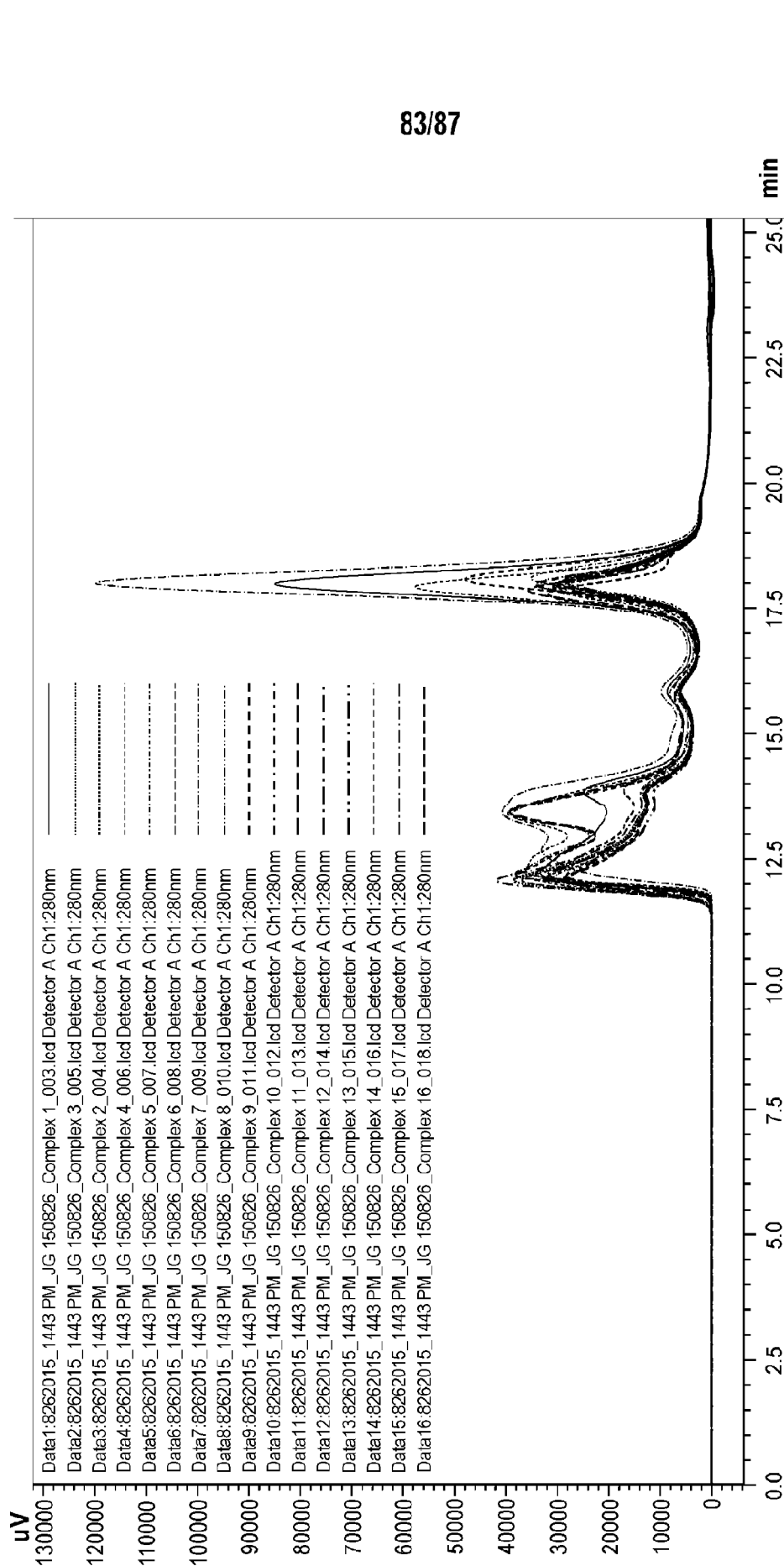
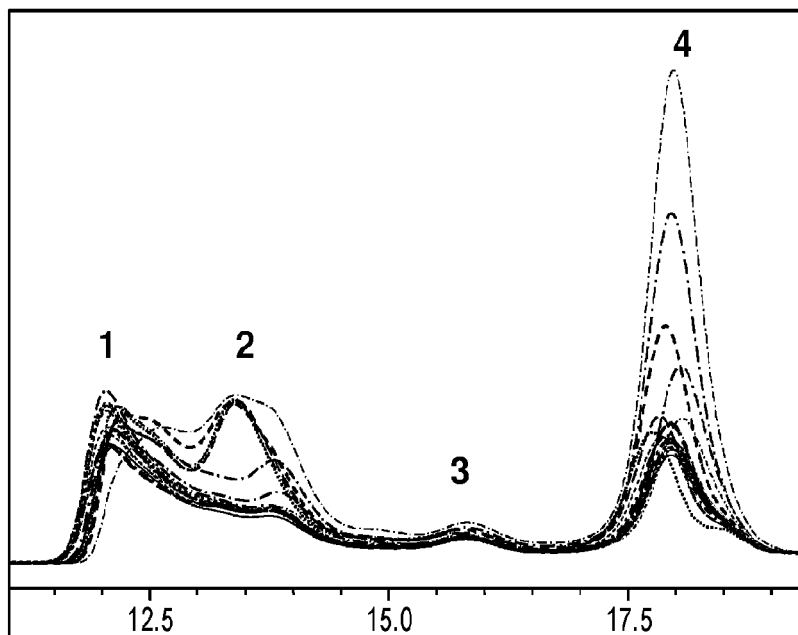
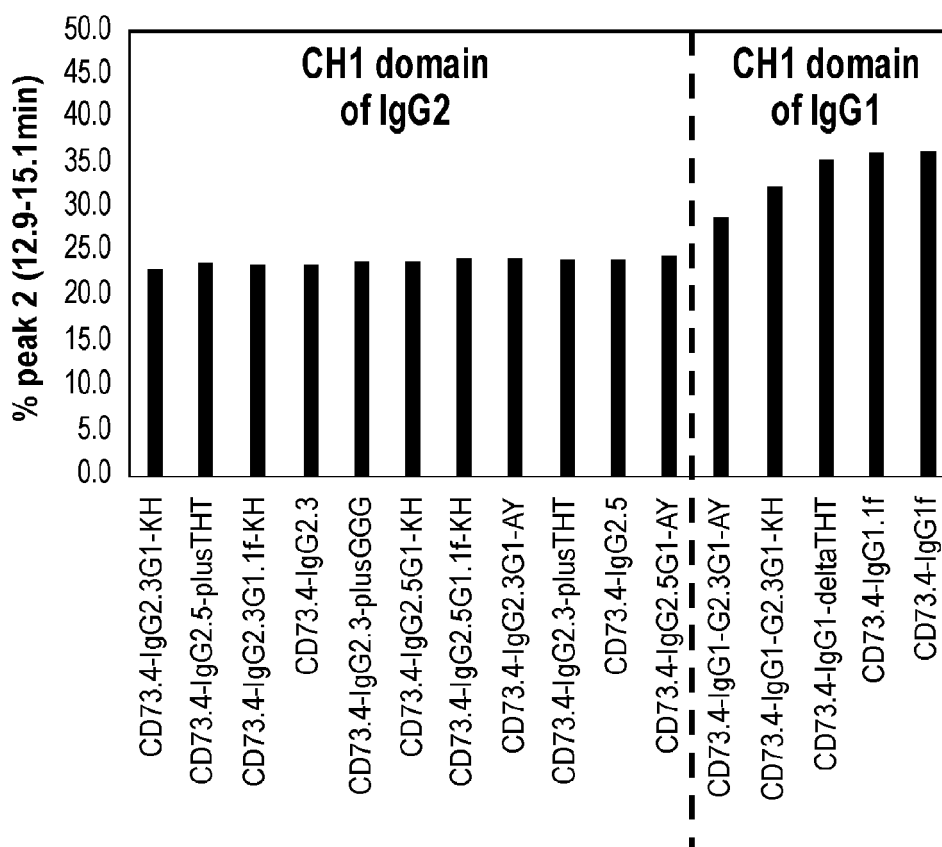


Fig. 32A

84/87

**Fig. 32B****Fig. 32C**

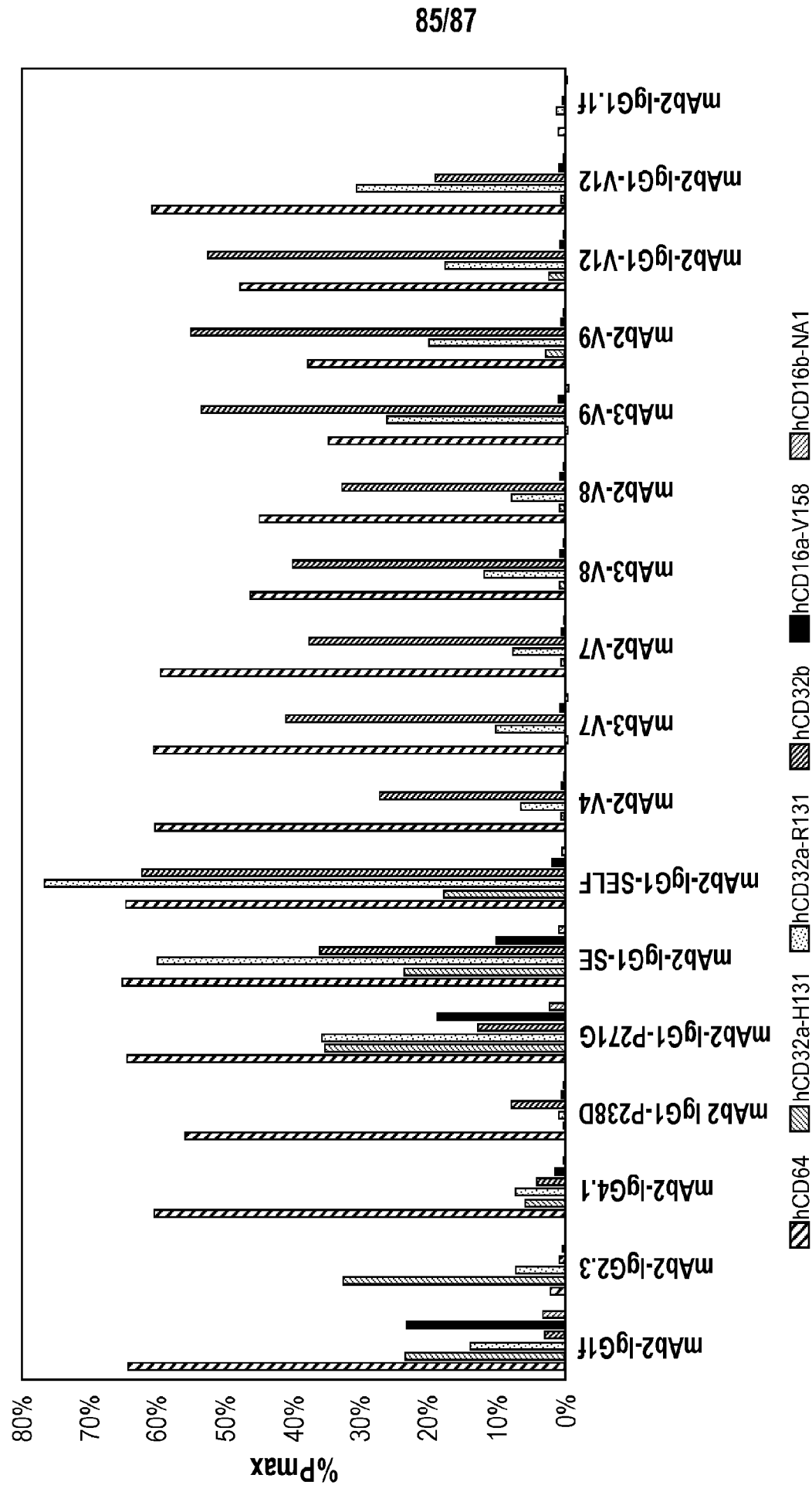


Fig. 33

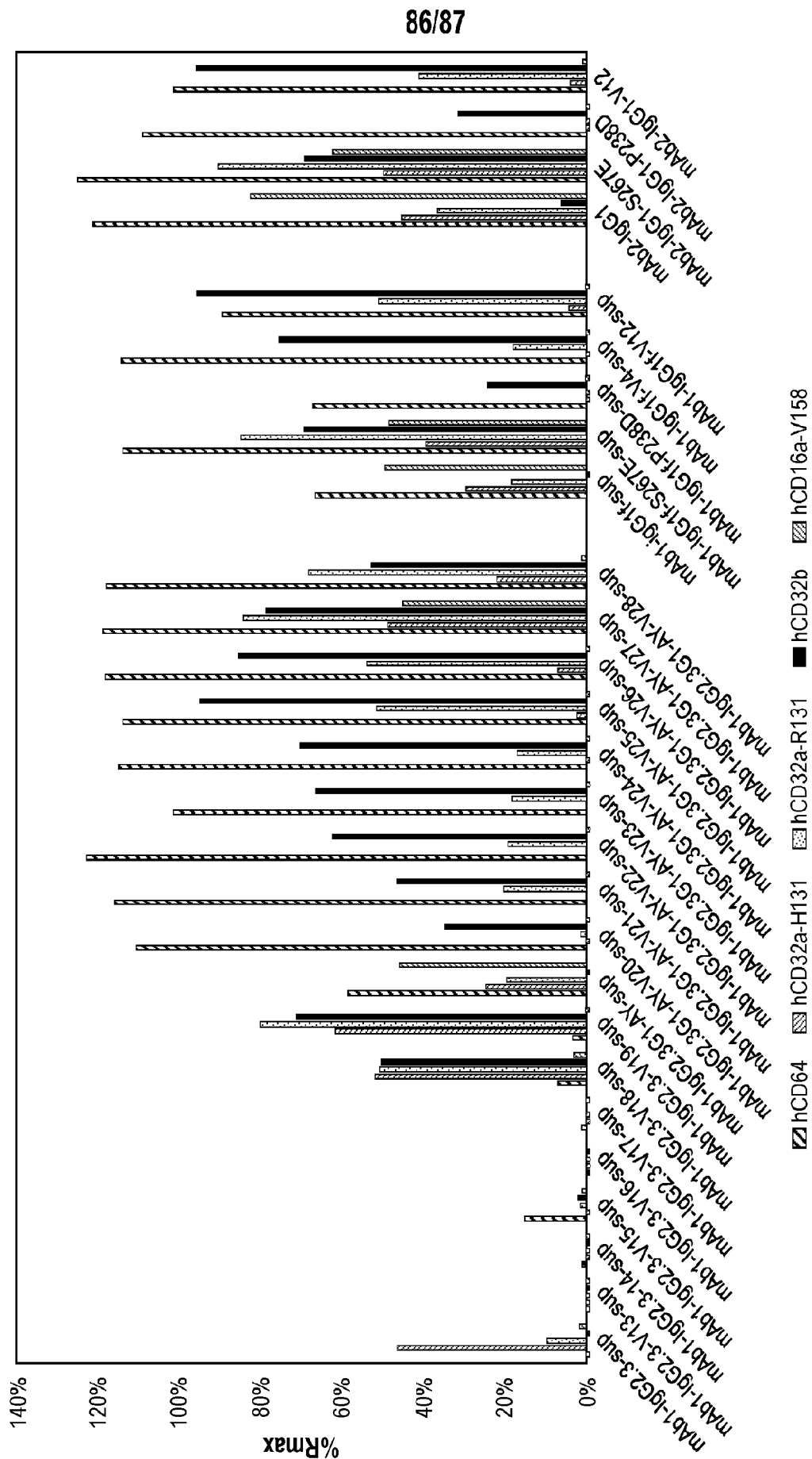


Fig. 34

VH region alignment

11F11 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.4 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.5 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.6 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.7 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.8 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.9 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.10 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
24H2 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
4D4 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
10D2 QVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
6E11 EVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
7A11 EVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
11A6 EVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
4C3 EVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
73.3 EVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS
5F8 EVQLVESGGGVVQPGSRSLRLSCAASGFTFSNYGMHWRVQAPCKGLEWAVILYDGSNKYPDSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCARGSSWYPDSFDIWQGGTMVTVSS

VL region alignment

11F11-1 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQOKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFTLTISLQPEDFAVYYCQQRSNWHLTFGGGTKVEIK
11F11-2 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
24H2 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
4D4 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
10D2-1 AIQLTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
10D2-2 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
6E11 EIVLTQSPGTLSPGERATLSCRASQSVSSYLAWYQOKPGQAPRLLIYGASSRATGIPDRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
7A11 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
11A6 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
4C3-1 EIVLTQSPGTLSPGERATLSCRASQSVSSYLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
4C3-2 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
4C3-3 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
5F8-1 AIQLTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
5F8-2 DIQMTQSPSSLSASVGDRTITCRASQGISSWLAWYQOKPEKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSYPLTFGGGTKVEIK
5F8-3 EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQOKPGQAPRLLIYDASNRAITGIPARFSGSGSGTDFTLTISLQPEDFAVYYCQQRNSWHLTFGGGTKVEIK

Fig. 35