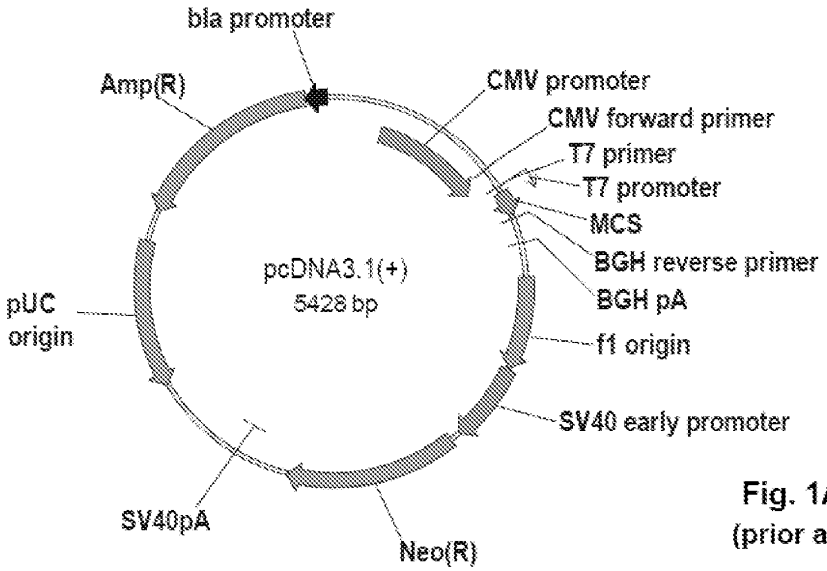


Fig. 1A
(prior art)

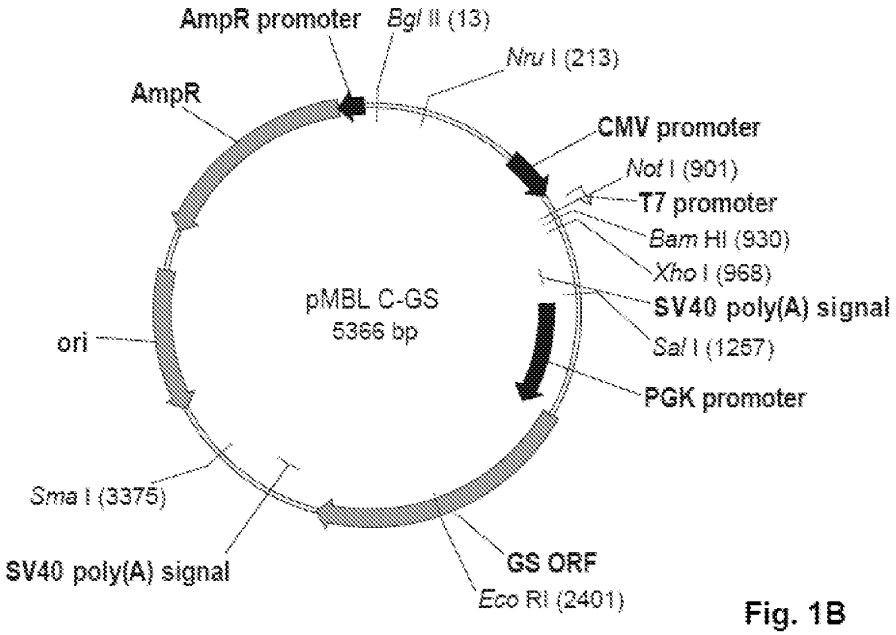


Fig. 1B

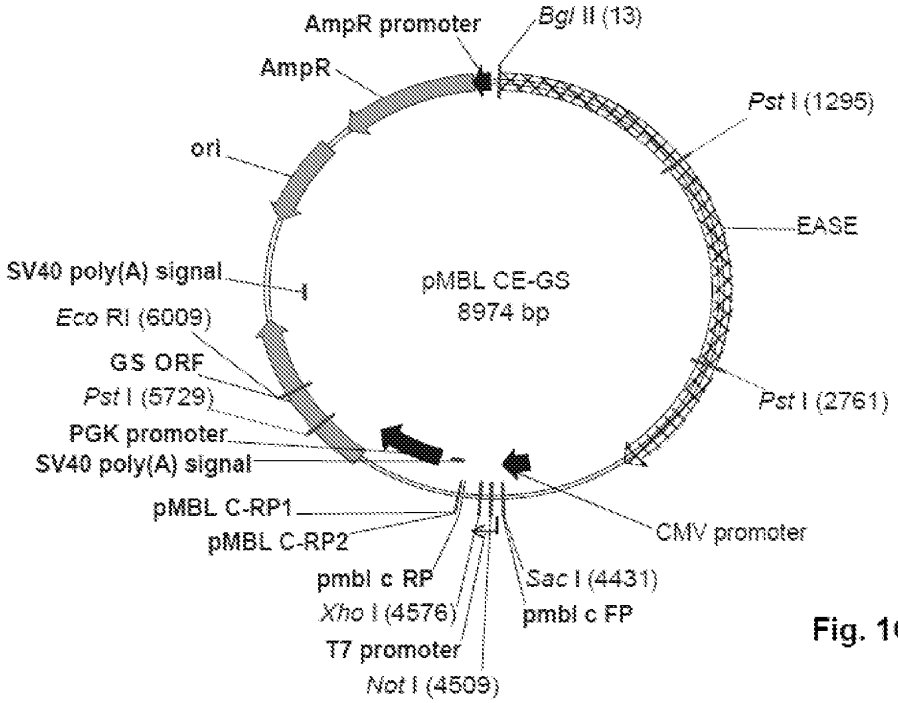
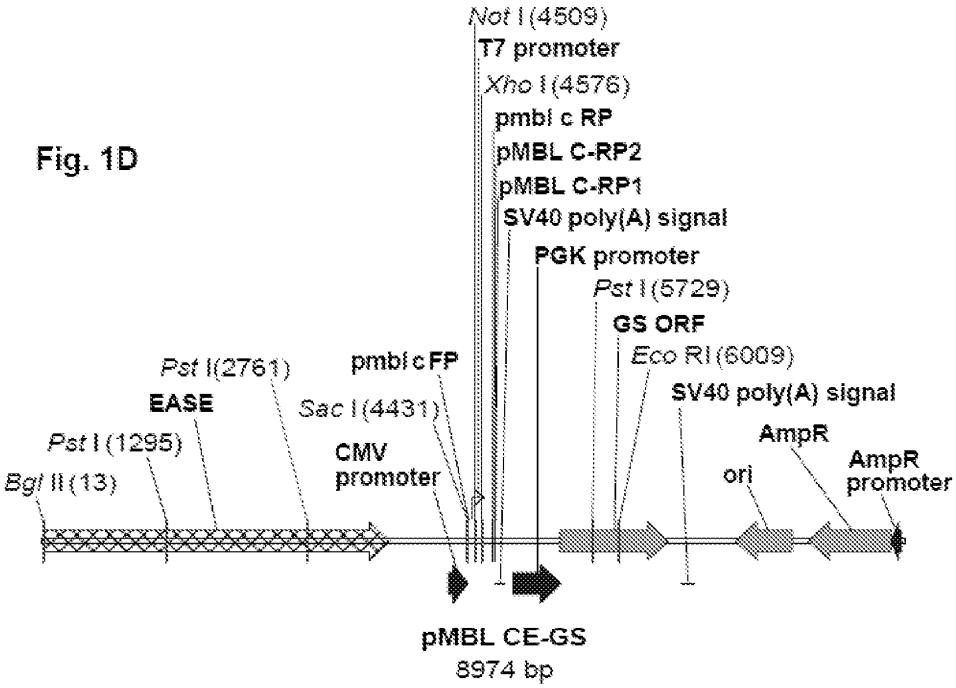

AmpR promoter
Bgl II (13)
AmpR
Pst I (1295)
ori
EASE
SV40 poly(A) signal
pMBL CE-GS
8974 bp
Eco RI (6009)
GS ORF
Pst I (5729)
Pst I (2761)
PGK promoter
SV40 poly(A) signal
pMBL C-RP1
pMBL C-RP2
CMV promoter
pmbl c RP
Sac I (4431)
Xho I (4576)
pmbl c FP
T7 promoter
Not I (4509)

Fig. 1C

Fig. 1D


Not I (4509)
T7 promoter
Xho I (4576)
pmbl c RP
pMBL C-RP2
pMBL C-RP1
SV40 poly(A) signal
PGK promoter
Pst I (5729)
GS ORF
Eco RI (6009)
SV40 poly(A) signal
AmpR
AmpR promoter
ori
Pst I(2761)
pmbl c FP
EASE
Sac I (4431)
Pst I (1295)
CMV promoter
Bgl II (13)
pMBL CE-GS
8974 bp

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Fig. 2A: SEQ ID NO: 1

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Fig. 2B: SEQ ID NO: 2

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CCTCTGCCAATTGTGACCCCTTTGCAGTGACAGAAGCCATCGTCCGCACATGCCTTCTCAATGA
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Fig. 2C: SEQ ID NO: 3

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CGTAACAACTCCGCCCCATTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
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Fig. 2D: SEQ ID NO: 4

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GCTACAAAGTTCACTTGGCATTGTCAACATTTCACAGGCGTAATATTCCTCCTCTAGTACTGTCCT
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Fig. 2E: SEQ ID NO: 14 (continued)

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Fig. 2E: SEQ ID NO: 14

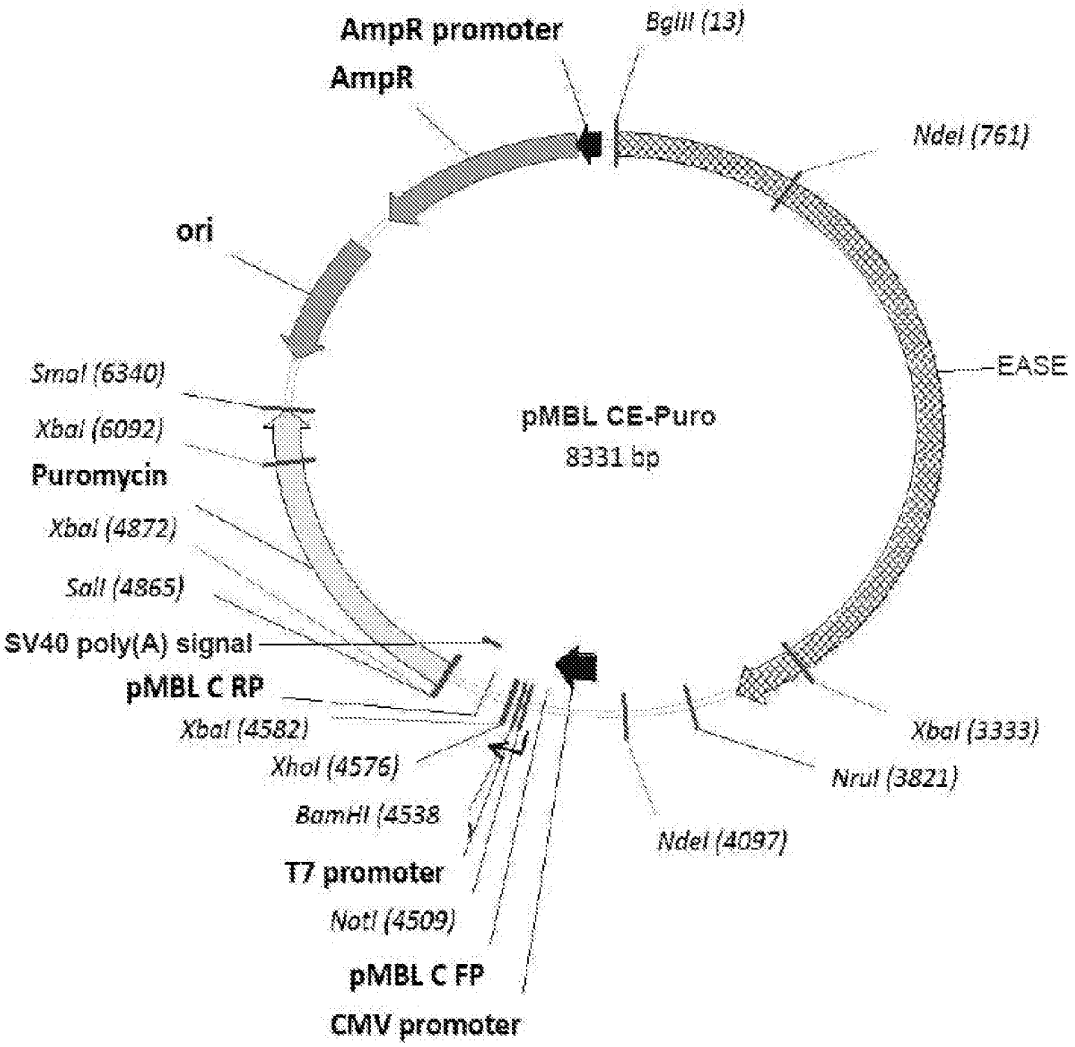
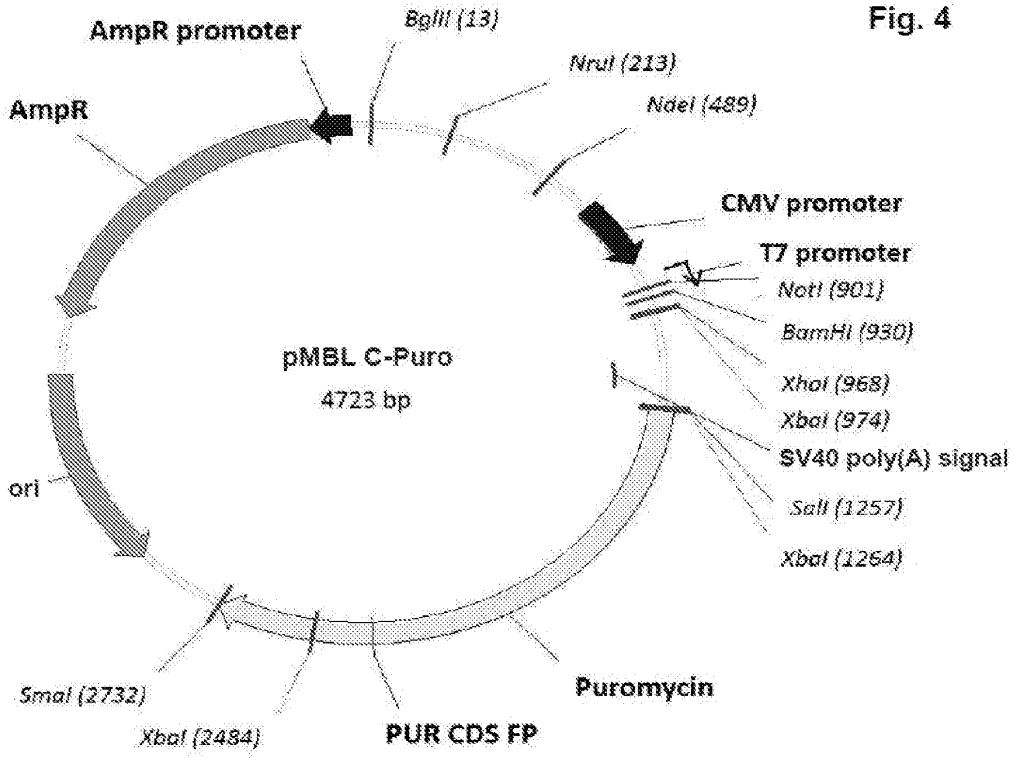

AmpR promoter
AmpR
BglII (13)
NdeI (761)
ori
EASE
SmaI (6340)
XbaI (6092)
Puromycin
XbaI (4872)
SalI (4865)
SV40 poly(A) signal
pMBL C RP
XbaI (4582)
XhoI (4576)
BamHI (4538
T7 promoter
NotI (4509)
pMBL C FP
CMV promoter
pMBL CE-Puro
8331 bp
XbaI (3333)
NruI (3821)
NdeI (4097)

Fig. 3

Fig. 4


AmpR promoter
BglII (13)
NruI (213)
NdeI (489)
AmpR
CMV promoter
T7 promoter
NotI (901)
BamHI (930)
pMBL C-Puro
4723 bp
XhoI (968)
XbaI (974)
SV40 poly(A) signal
ori
SalI (1257)
XbaI (1264)
SmaI (2732)
XbaI (2484)
PUR CDS FP
Puromycin

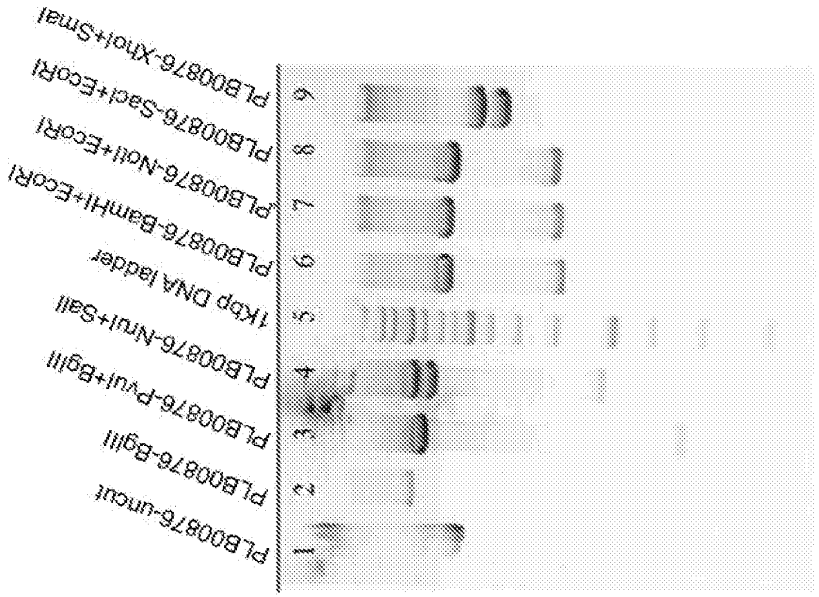

pLB0087G-uncut
pLB0087G-BglII
pLB0087G-PvuI+BglII
pLB0087G-NruI+SalI
1Kbp DNA ladder
pLB0087G-BamHI+EcoRI
pLB0087G-NotI+EcoRI
pLB0087G-SacI+EcoRI
pLB0087G-XhoI+SmaI

Fig. 5A

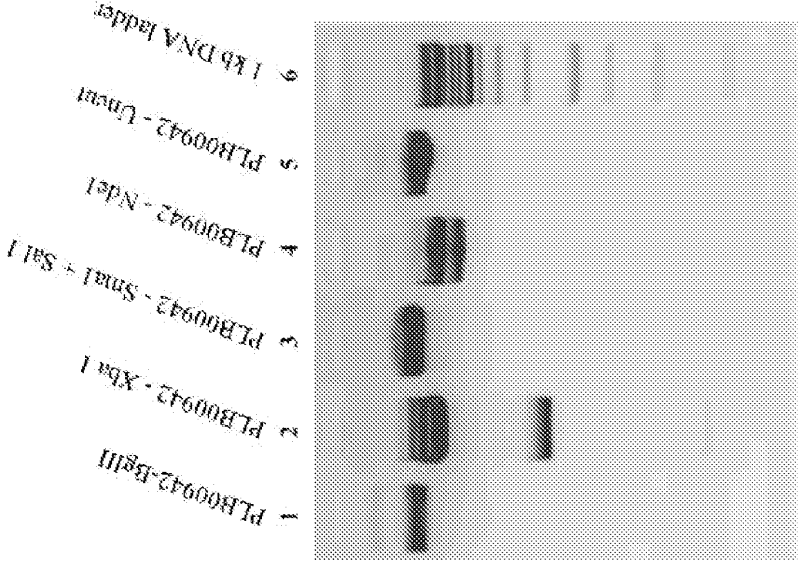

1 PLB009942-BglII
2 PLB009942 - Xba I
3 PLB009942 - SnaI + Sal I
4 PLB009942 - NdeI
5 PLB009942 - UncuI
6 1 kb DNA ladder

Fig. 5C

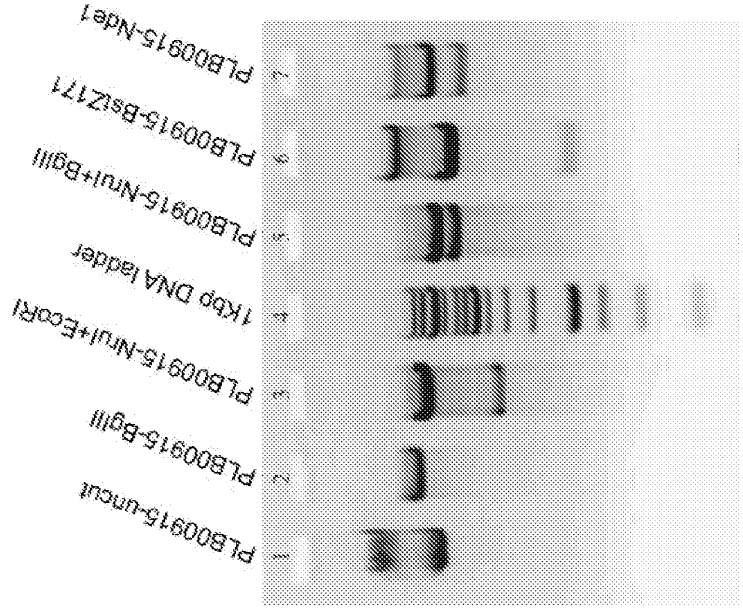

1 PLB009915-uncut
2 PLB009915-BglII
3 PLB009915-NruI+EcoRI
4 1Kbp DNA ladder
5 PLB009915-NruI+BglII
6 PLB009915-BsiZ171
7 PLB009915-NdeI

Fig. 5B

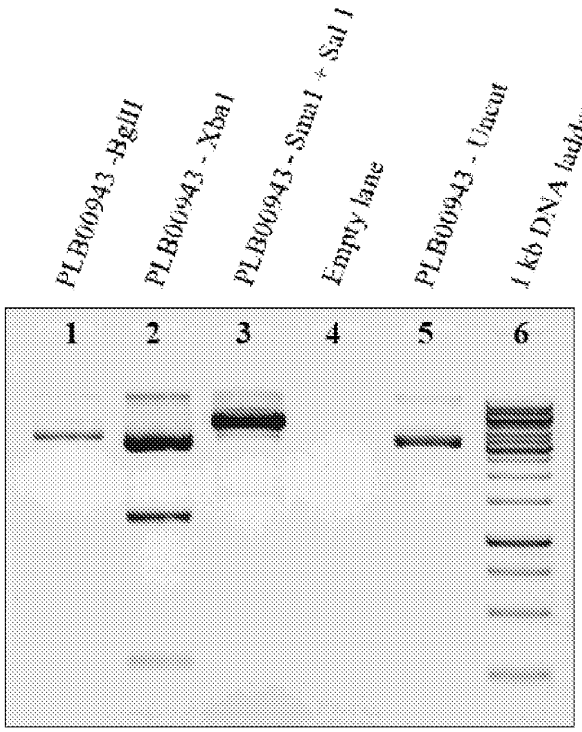


Fig. 5D

mAb Codes	mAb description	Fusion details	Fusion location
Bmab700	Anti-CTLA4 (Yervoy)	-	(Biosimilar)
Fmab 25	Anti-CD20 fusion	Anti-CD20 mAb + TGFβRII ECD	Fusion at HC C-terminal
Fmab 26	Anti-CD20 fusion	Anti-CD20 mAb+ TGFβRII ECD	Fusion at LC C-terminal
Fmab 27	Anti-CD20 fusion	Anti-CD20 mAb+ TGFβRII ECD	Fusion at HC N-terminal
Fmab 28	Anti-CD20 fusion	Anti-CD20 mAb+ TGFβRII ECD	Fusion at LC N-terminal

Fig. 6

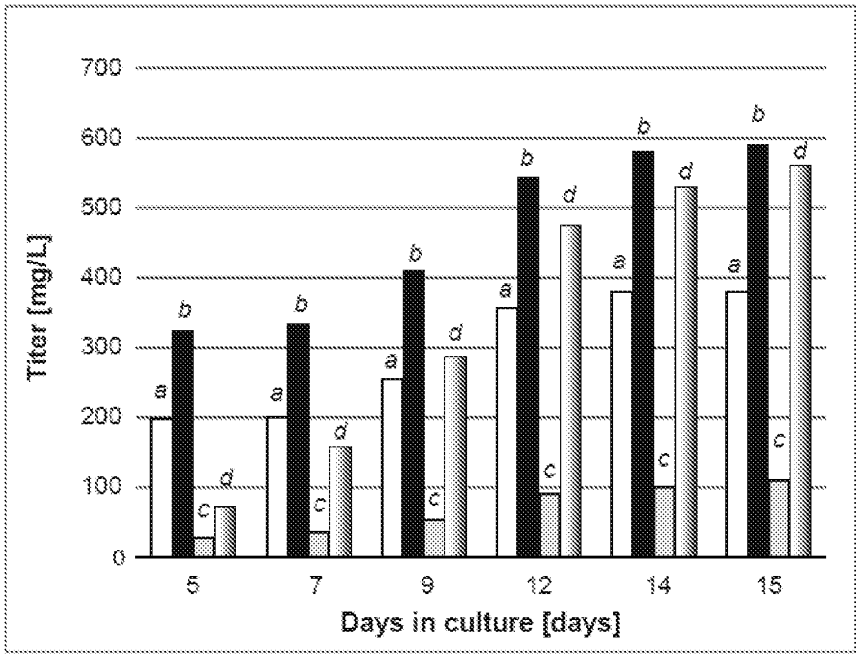

Titer [mg/L]
700
600
500
400
300
200
100
0
5
7
9
12
14
15
Days in culture [days]

Fig. 7A

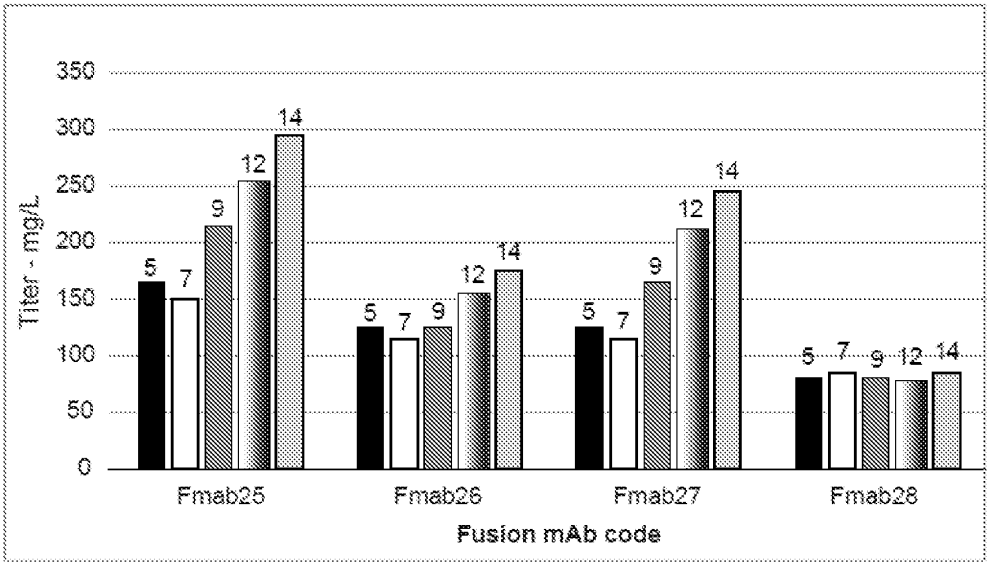
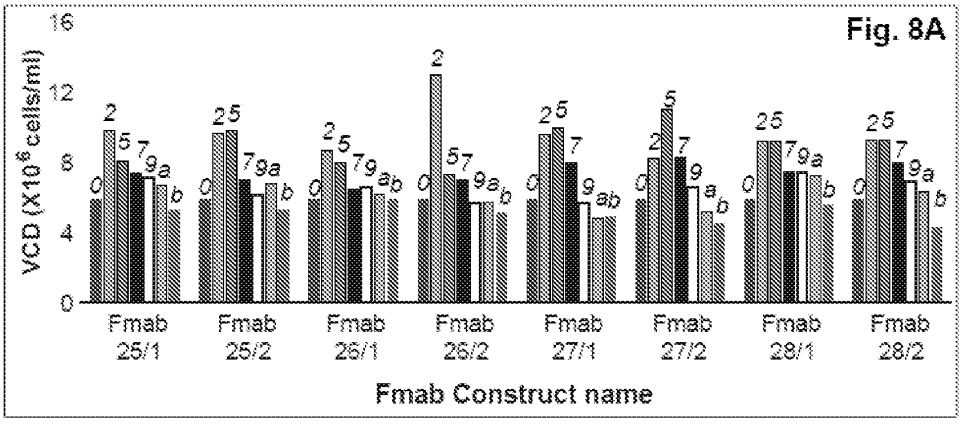

Titer - mg/L
350
300
250
200
150
100
50
0
Fmab25
Fmab26
Fmab27
Fmab28
Fusion mAb code

Fig. 7B


Fig. 8A
VCD (X10^6 cells/ml)
16
12
8
4
0
Fmab 25/1
Fmab 25/2
Fmab 26/1
Fmab 26/2
Fmab 27/1
Fmab 27/2
Fmab 28/1
Fmab 28/2
Fmab Construct name

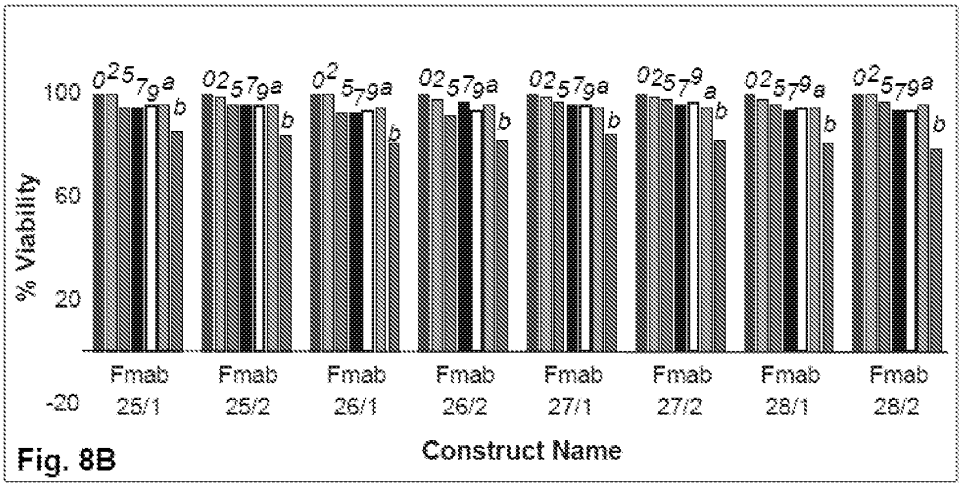
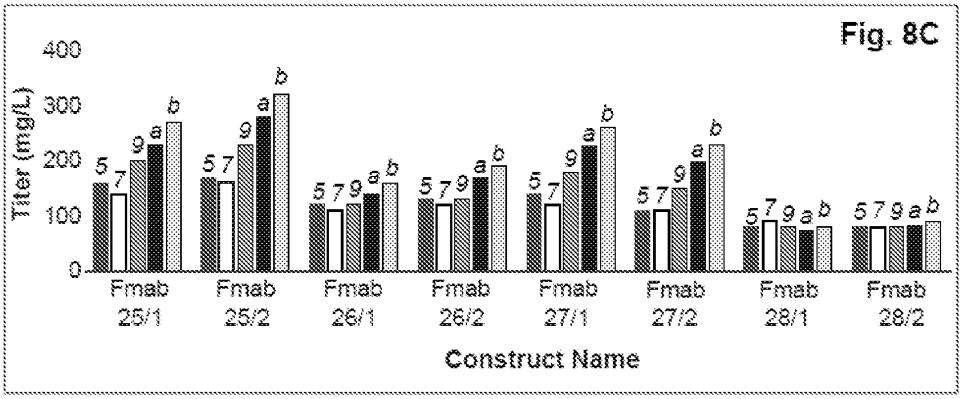

% Viability
100
60
20
-20
Fmab 25/1
Fmab 25/2
Fmab 26/1
Fmab 26/2
Fmab 27/1
Fmab 27/2
Fmab 28/1
Fmab 28/2
Construct Name

Fig. 8B


Fig. 8C
Titer (mg/L)
400
300
200
100
0
Fmab 25/1
Fmab 25/2
Fmab 26/1
Fmab 26/2
Fmab 27/1
Fmab 27/2
Fmab 28/1
Fmab 28/2
Construct Name

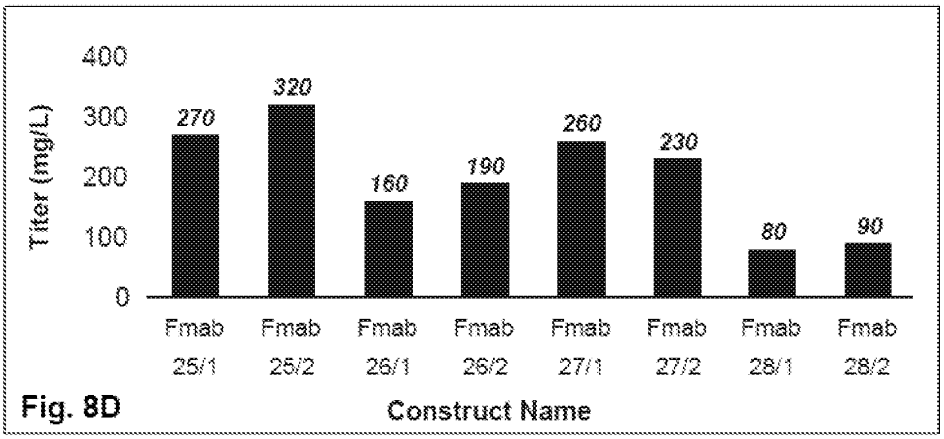


Fig. 8D

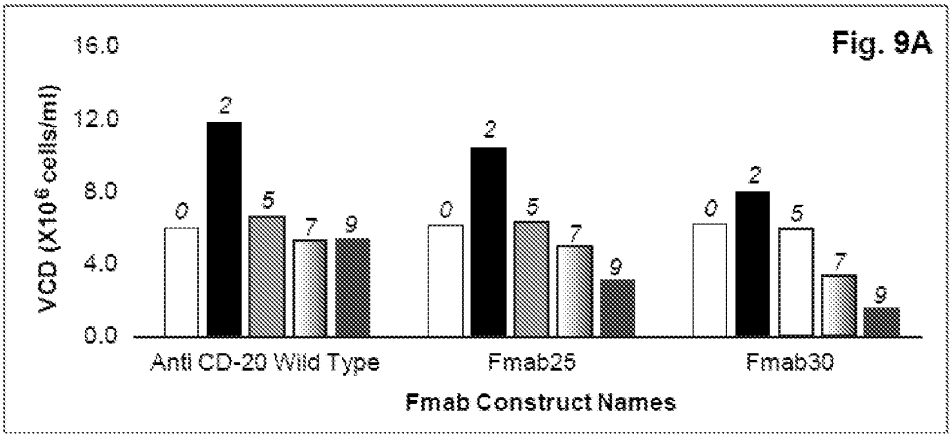


Fig. 9A

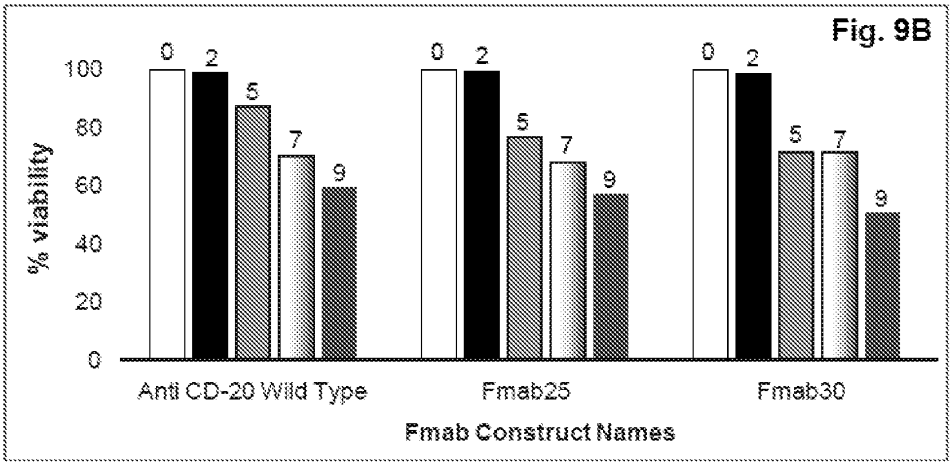


Fig. 9B

Fig. 9C

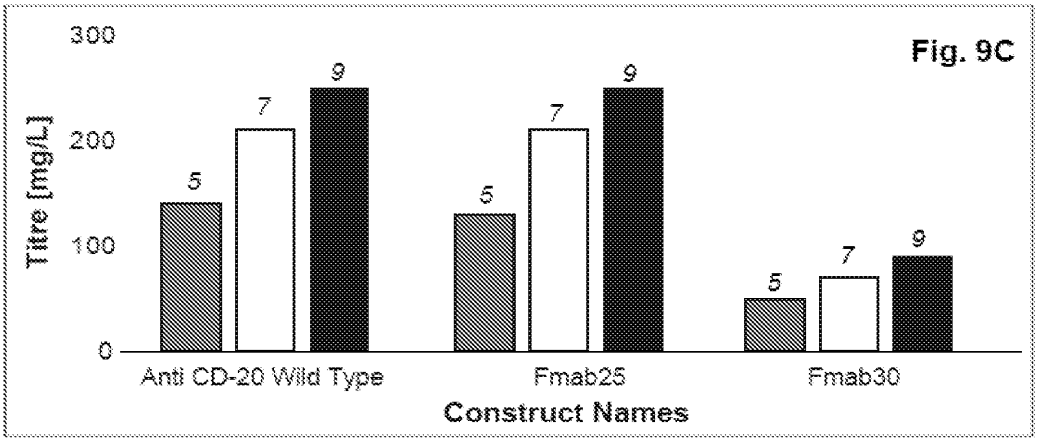


Fig. 9D

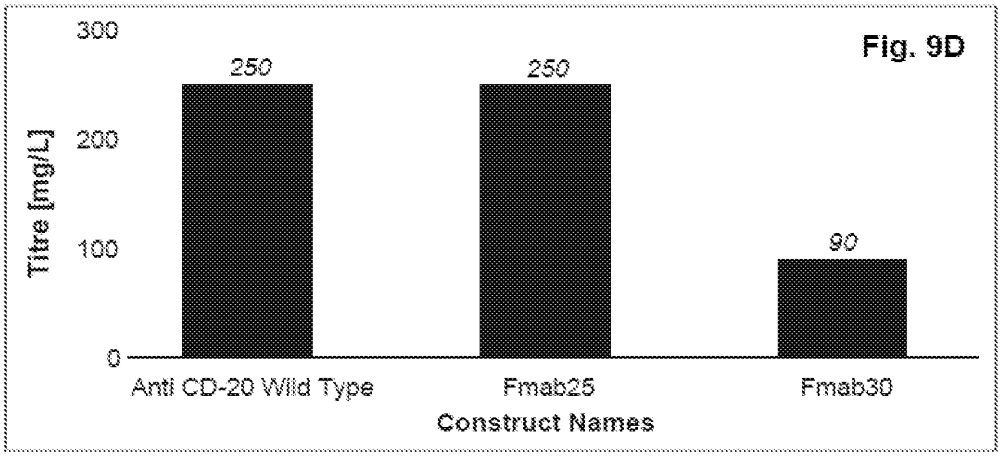
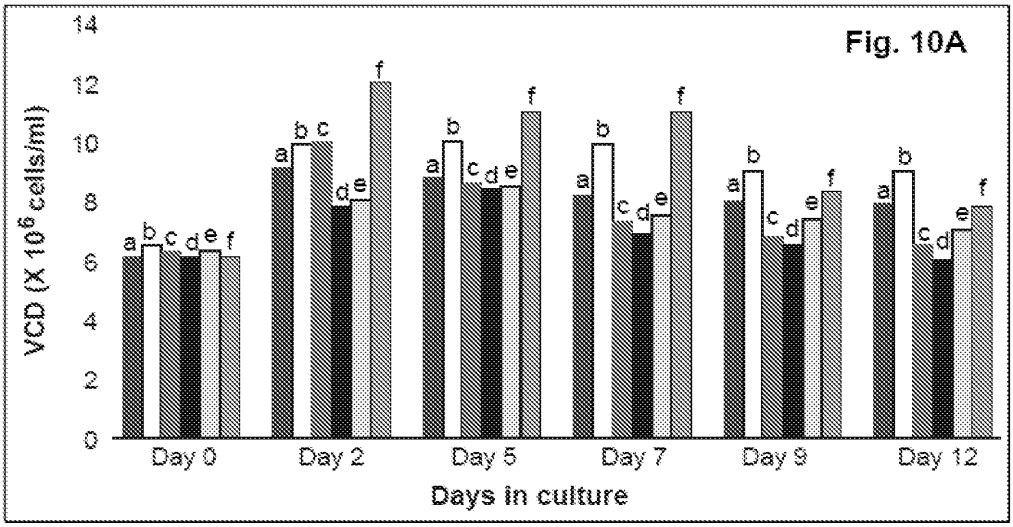


Fig. 10A



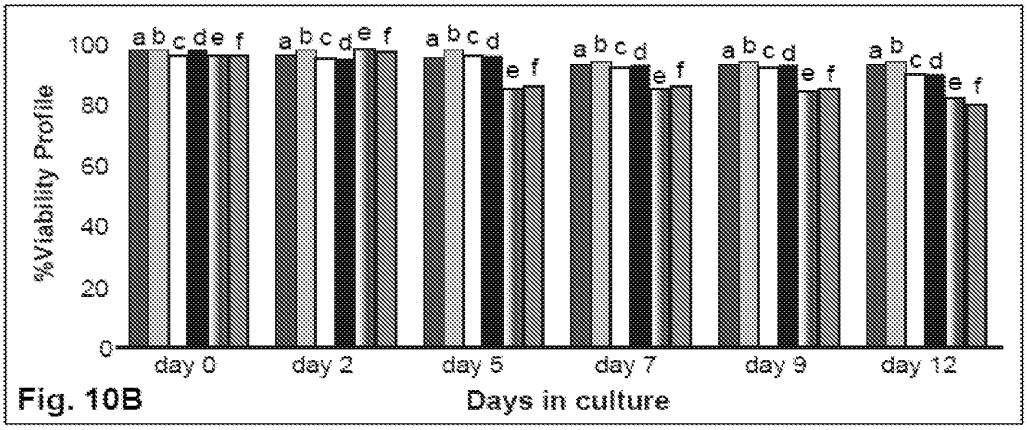


Fig. 10B

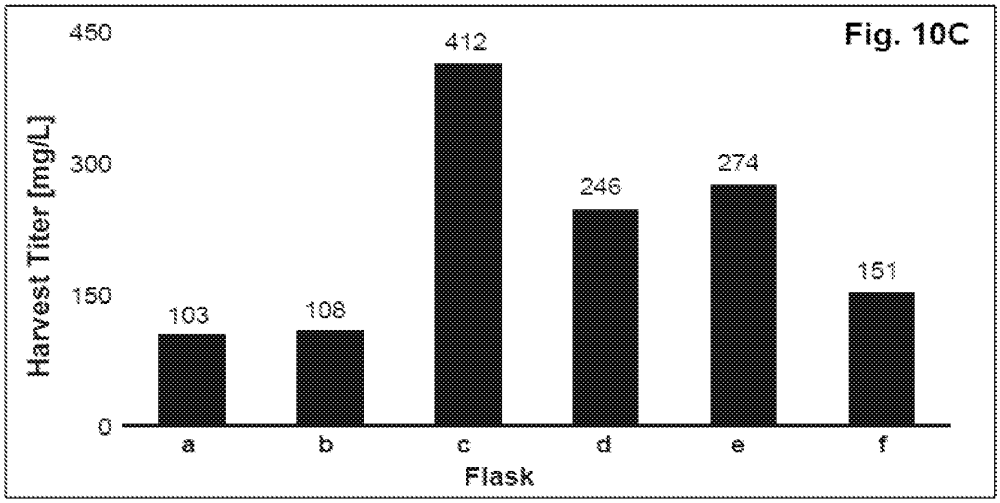


Fig. 10C

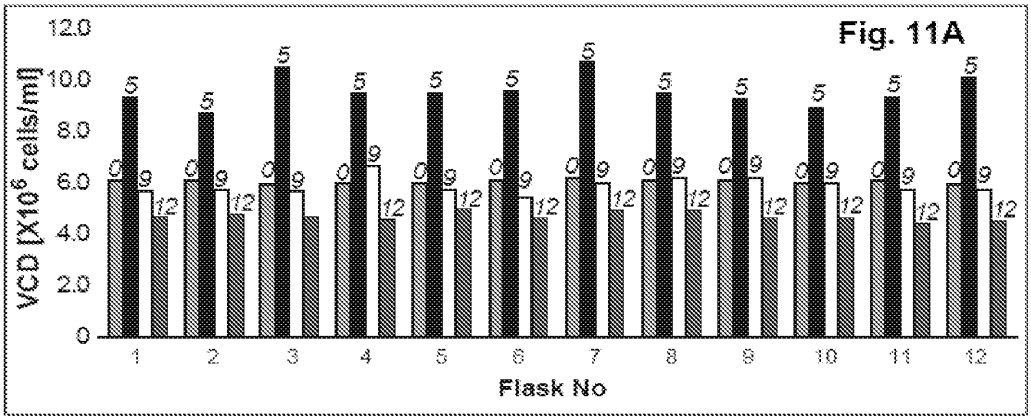


Fig. 11A

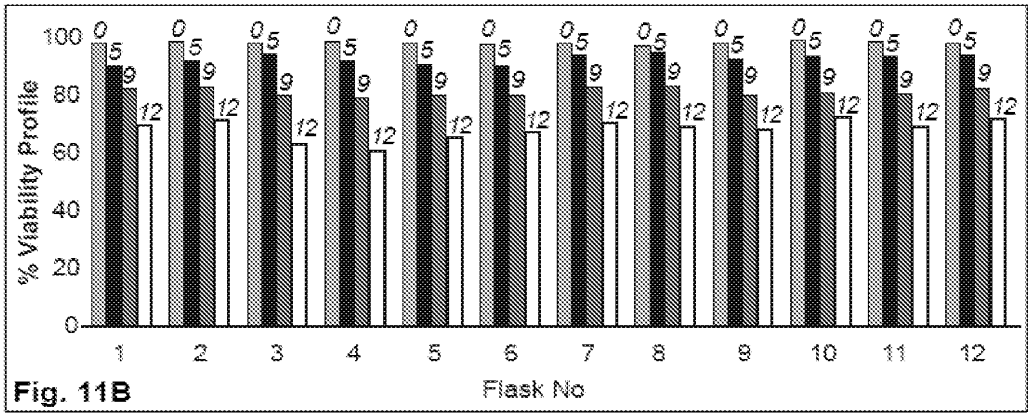


Fig. 11B

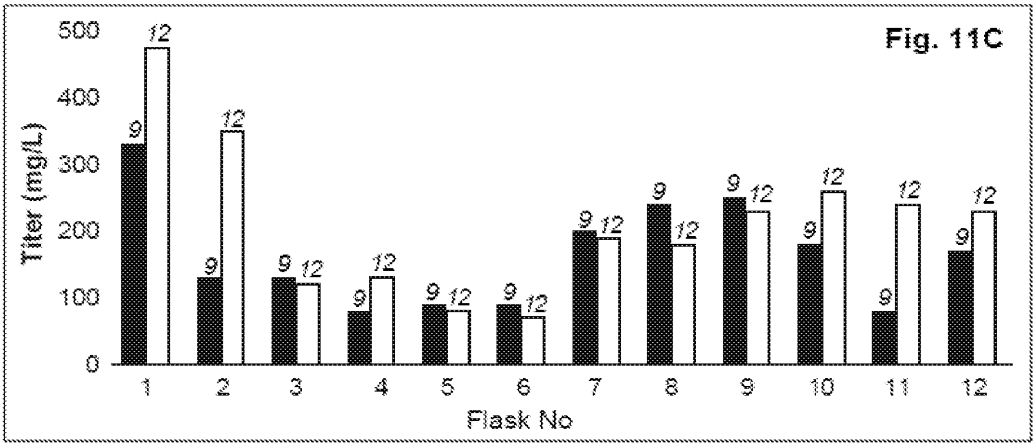


Fig. 11C

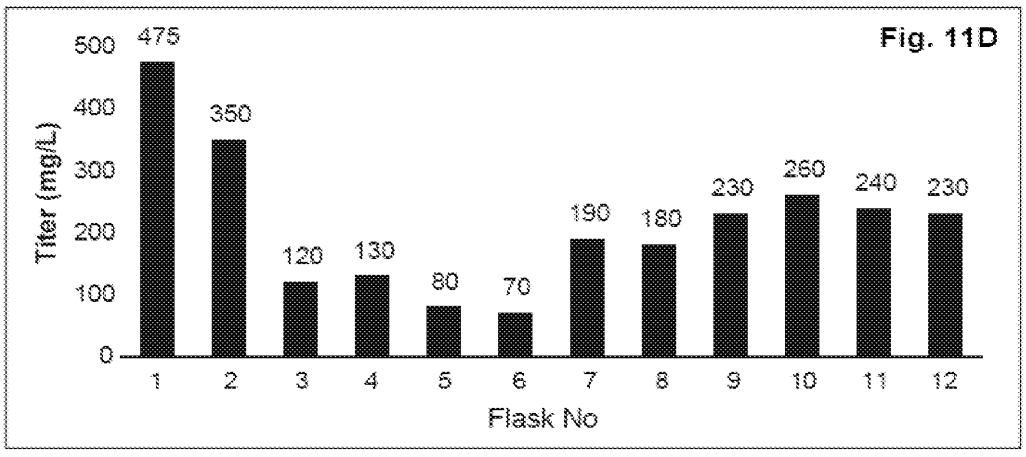


Fig. 11D

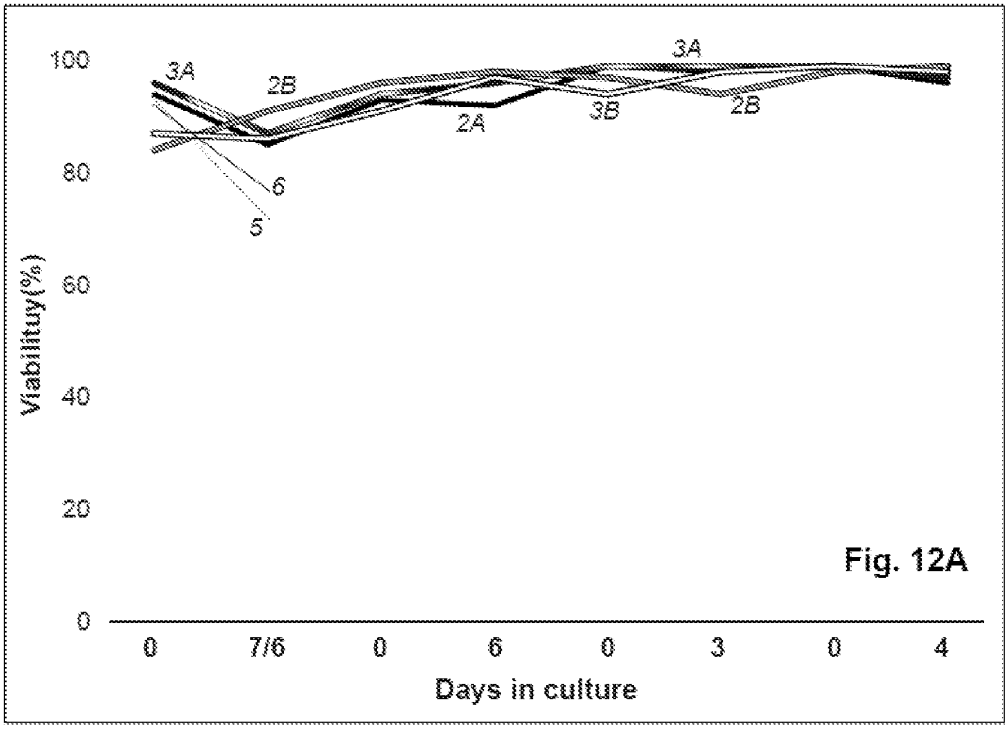


Fig. 12A

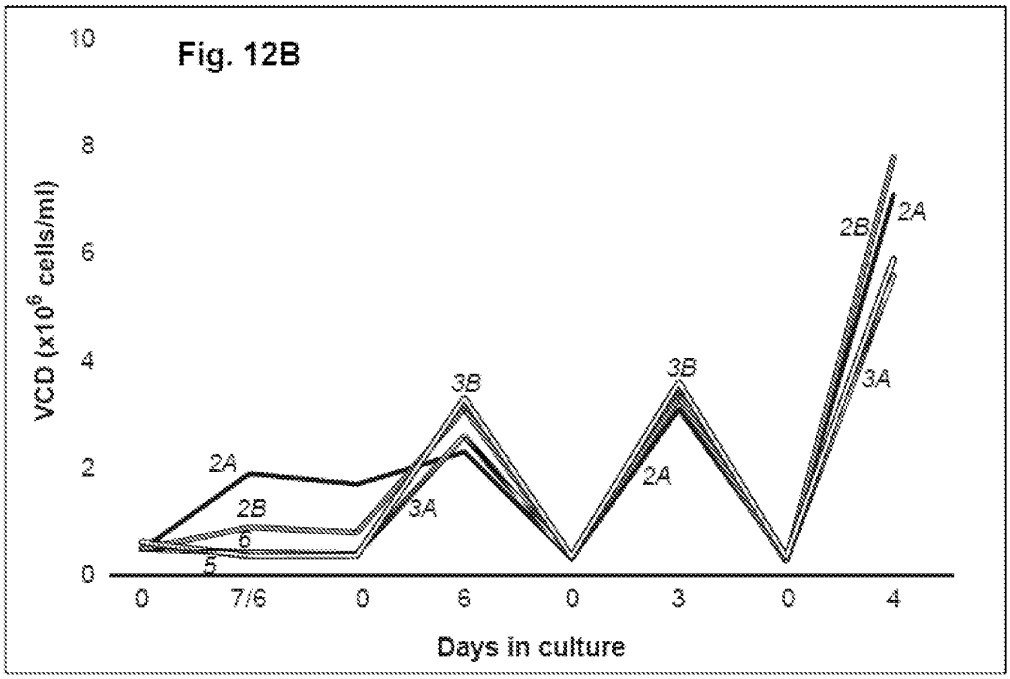


Fig. 12B

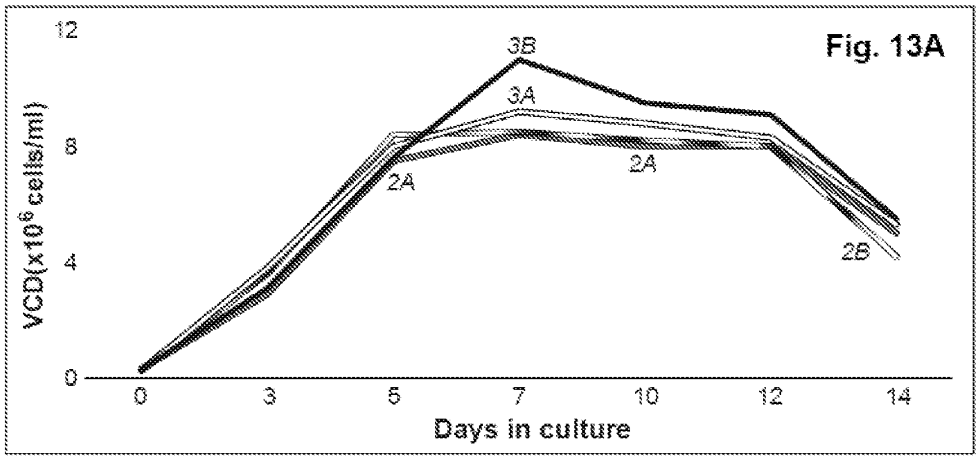


Fig. 13A

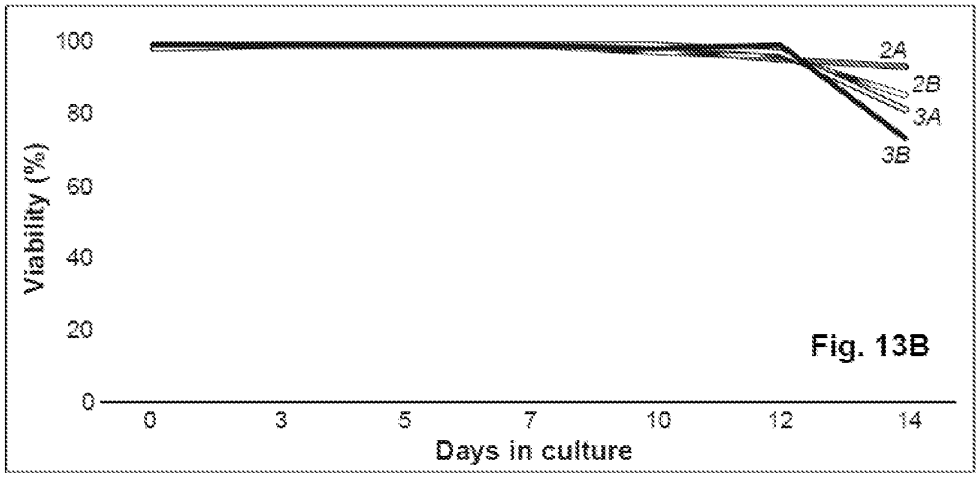


Fig. 13B

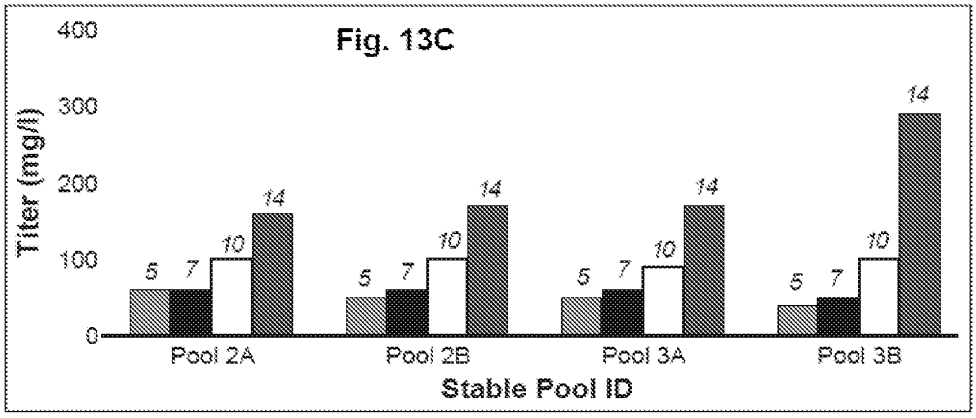


Fig. 13C

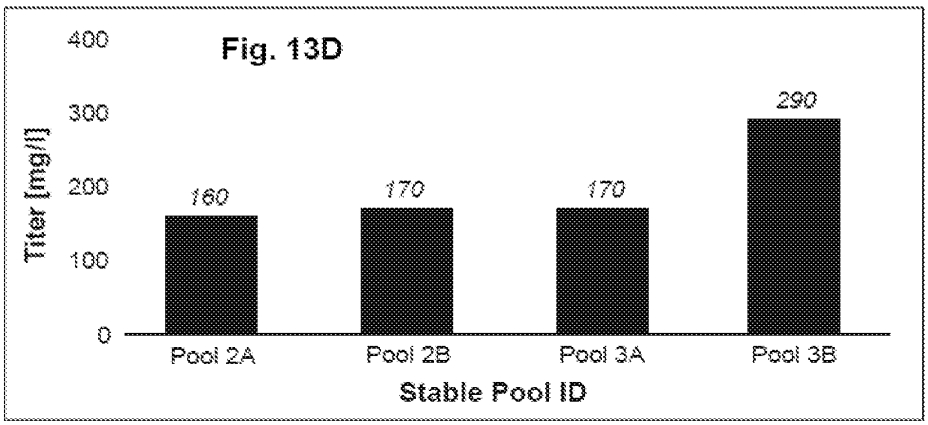


Fig. 13D

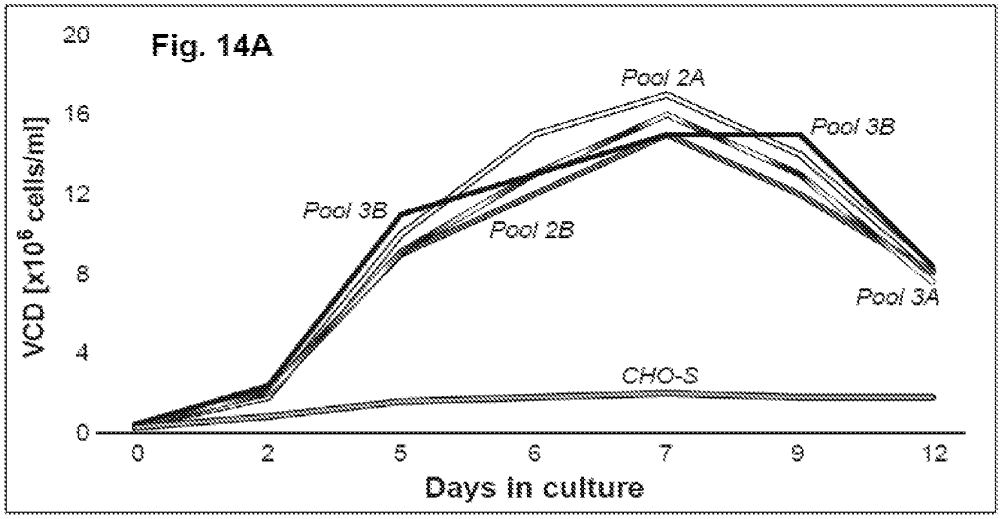


Fig. 14A

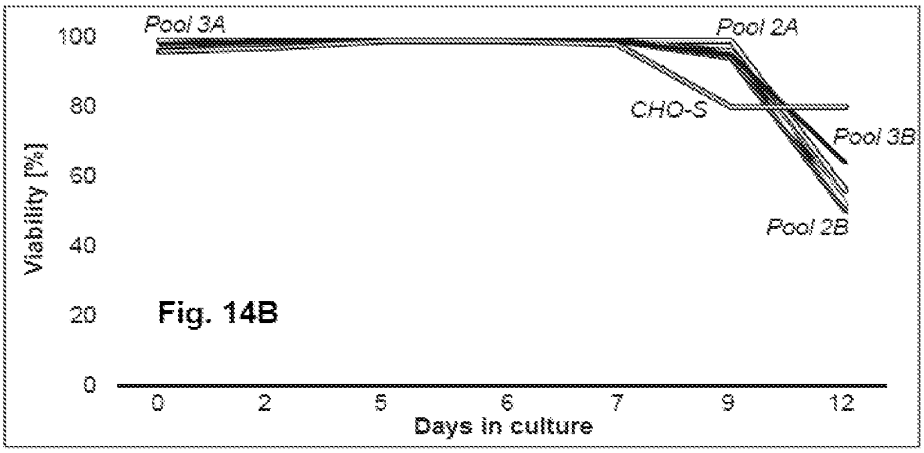
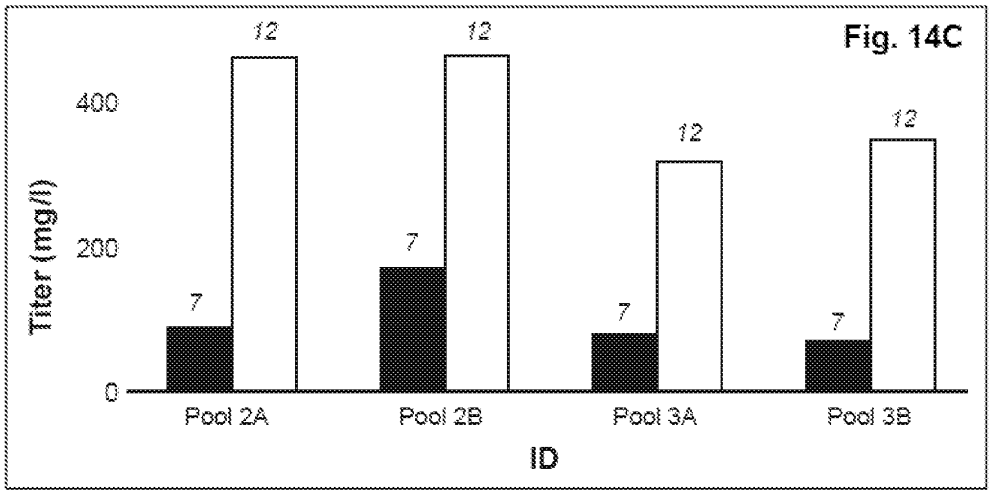
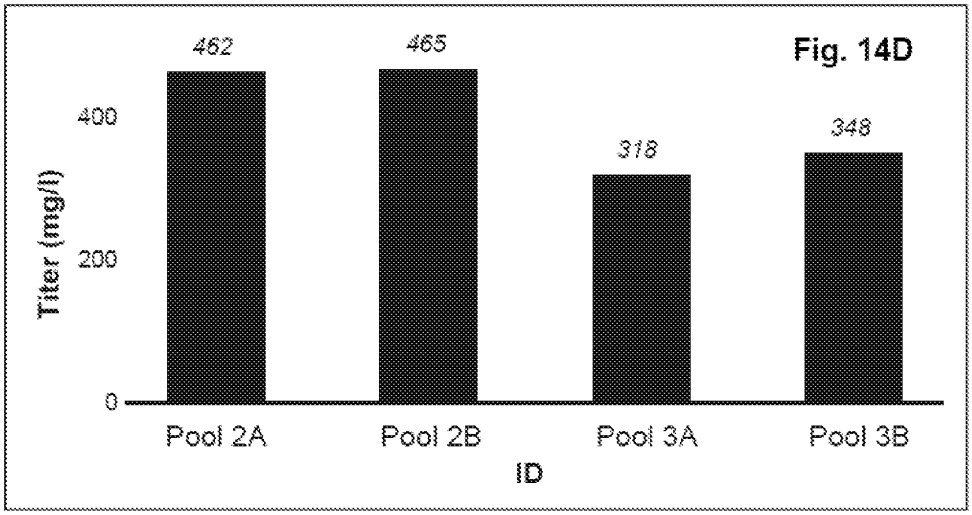


Fig. 14B


Fig. 14C
Titer (mg/l)
400
200
0
12
12
12
12
7
7
7
7
Pool 2A
Pool 2B
Pool 3A
Pool 3B
ID


Fig. 14D
Titer (mg/l)
400
200
0
462
465
318
348
Pool 2A
Pool 2B
Pool 3A
Pool 3B
ID

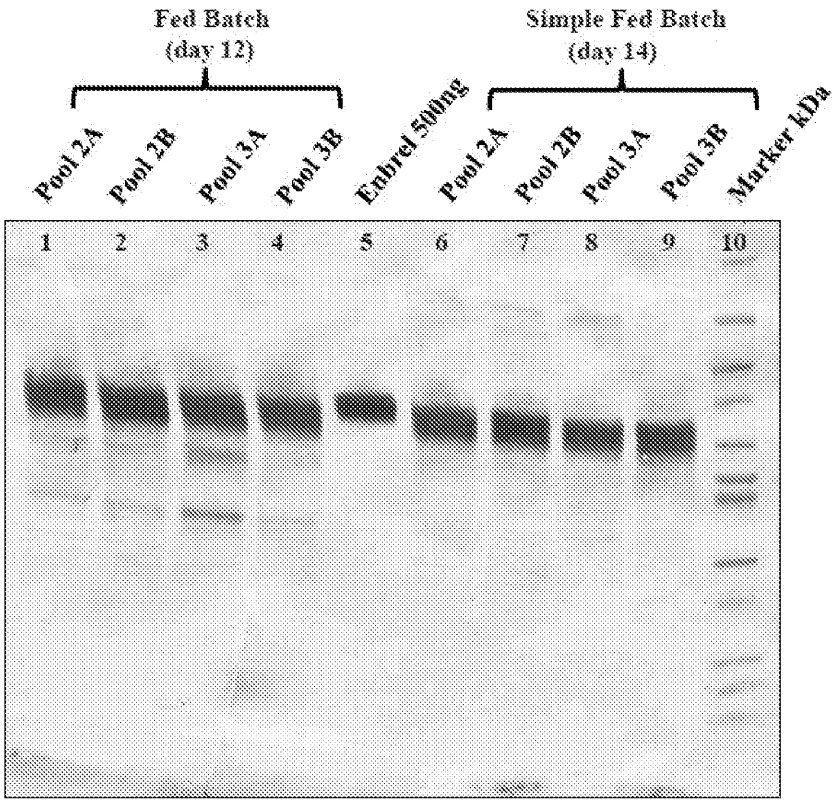

Fed Batch
(day 12)
Simple Fed Batch
(day 14)
Pool 2A
Pool 2B
Pool 3A
Pool 3B
Enbrel 500ng
Pool 2A
Pool 2B
Pool 3A
Pool 3B
Marker kDa
1
2
3
4
5
6
7
8
9
10

Fig. 15