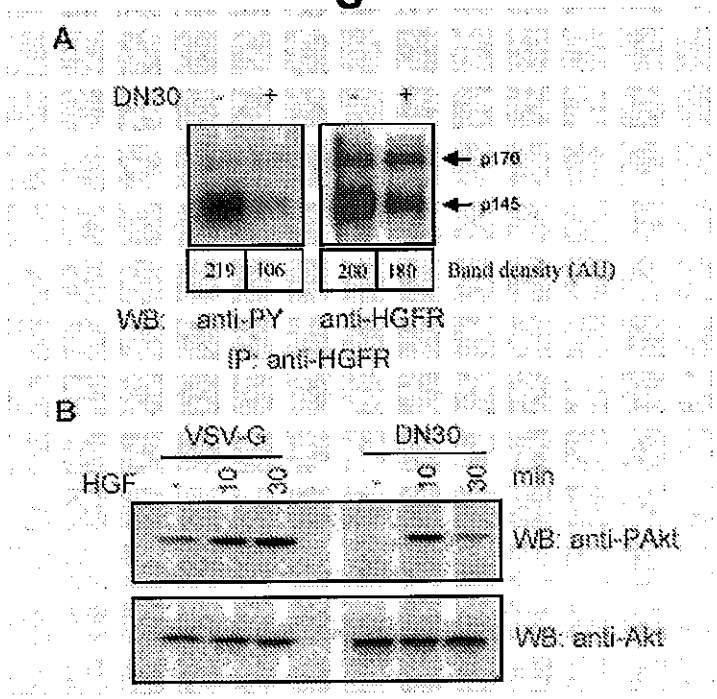
Fig. 1


A
DN30 - + - +
p170
p145
219 106 200 180 Band density (AU)
WB: anti-PY anti-HGFR
IP: anti-HGFR
B
VSV-G DN30
HGF - 10 30 - 10 30 min
WB: anti-PAkt
WB: anti-Akt

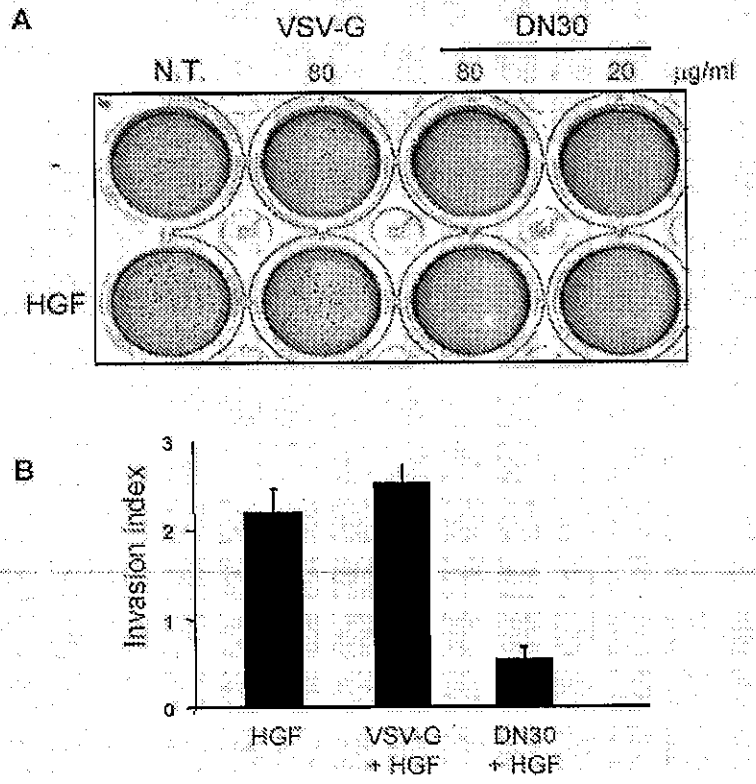

A
VSV-G DN30
N.T. 80 80 20 µg/ml
-
HGF
B
Invasion index
3
2
1
0
HGF
VSV-G + HGF
DN30 + HGF

Fig. 2

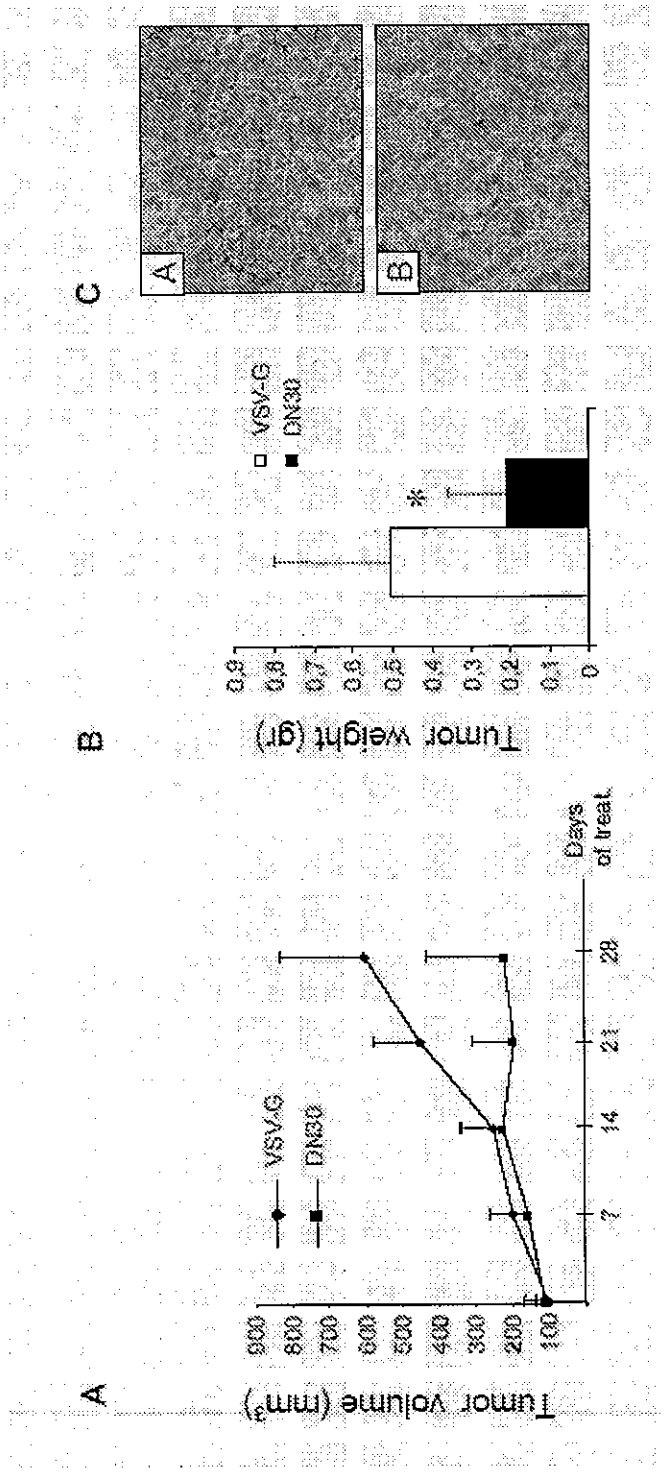

A
Tumor volume (mm³)
900
800
700
600
500
400
300
200
100
VSV-G
DN30
7
14
21
28
Days of treat.
B
Tumor weight (gr)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
VSV-G
DN30
*
C
A
B

Fig. 3

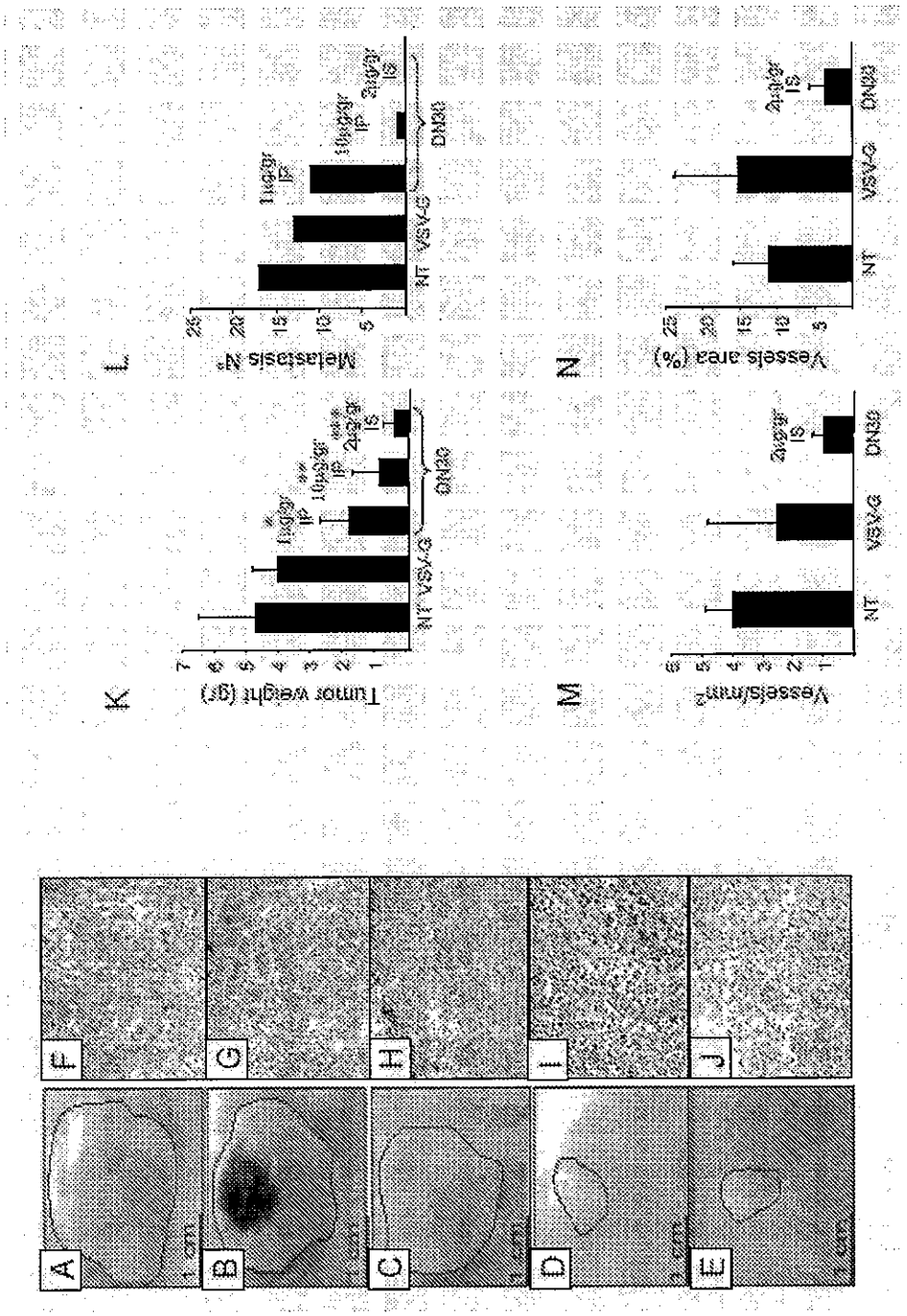

A
B
C
D
E
F
G
H
I
J
1 cm
K
Tumor weight (gr)
NT
VSV-G
DN36
DN20
L
Metastasis N°
M
Vessels/mm²
N
Vessels area (%)

Fig. 4

Fig. 5

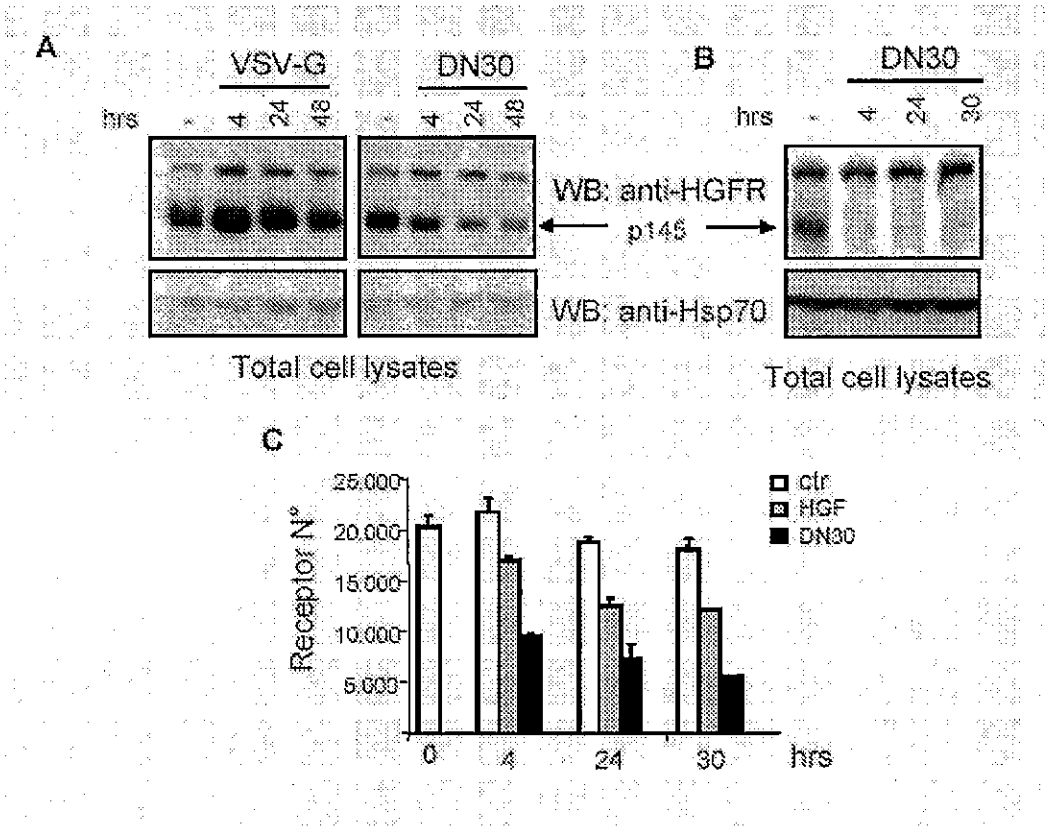

A
VSV-G
DN30
hrs
-
4
24
48
WB: anti-HGFR
p145
WB: anti-Hsp70
Total cell lysates
B
DN30
hrs
-
4
24
30
Total cell lysates
C
Receptor N°
25.000
20.000
15.000
10.000
5.000
ctr
HGF
DN30
0
4
24
30
hrs

Fig. 6

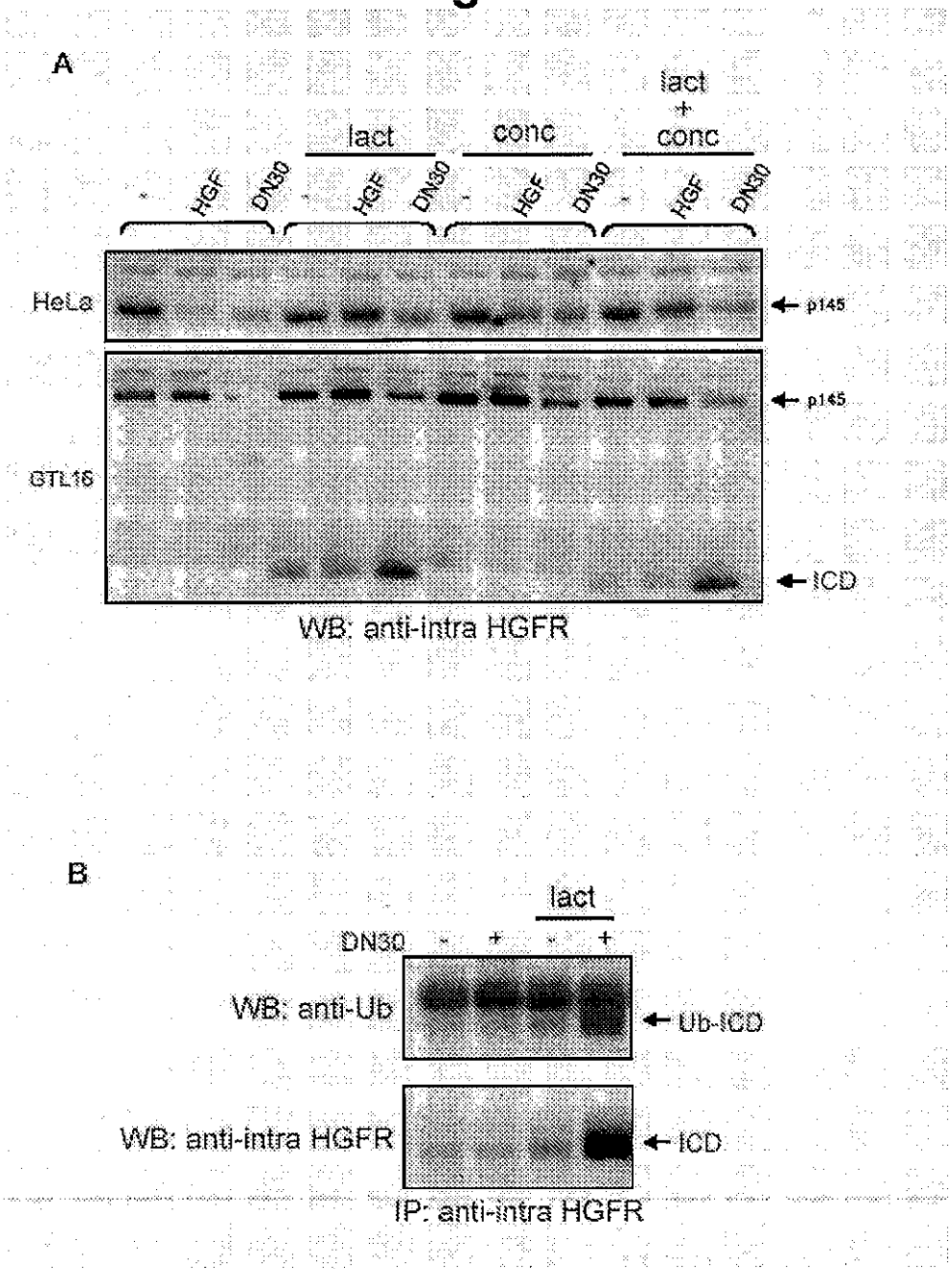

A
lact
conc
lact + conc
-
HGF
DN30
HeLa
GTL16
p145
p145
ICD
WB: anti-intra HGFR
B
lact
DN30
- + - +
WB: anti-Ub
Ub-ICD
WB: anti-intra HGFR
ICD
IP: anti-intra HGFR

Fig. 7

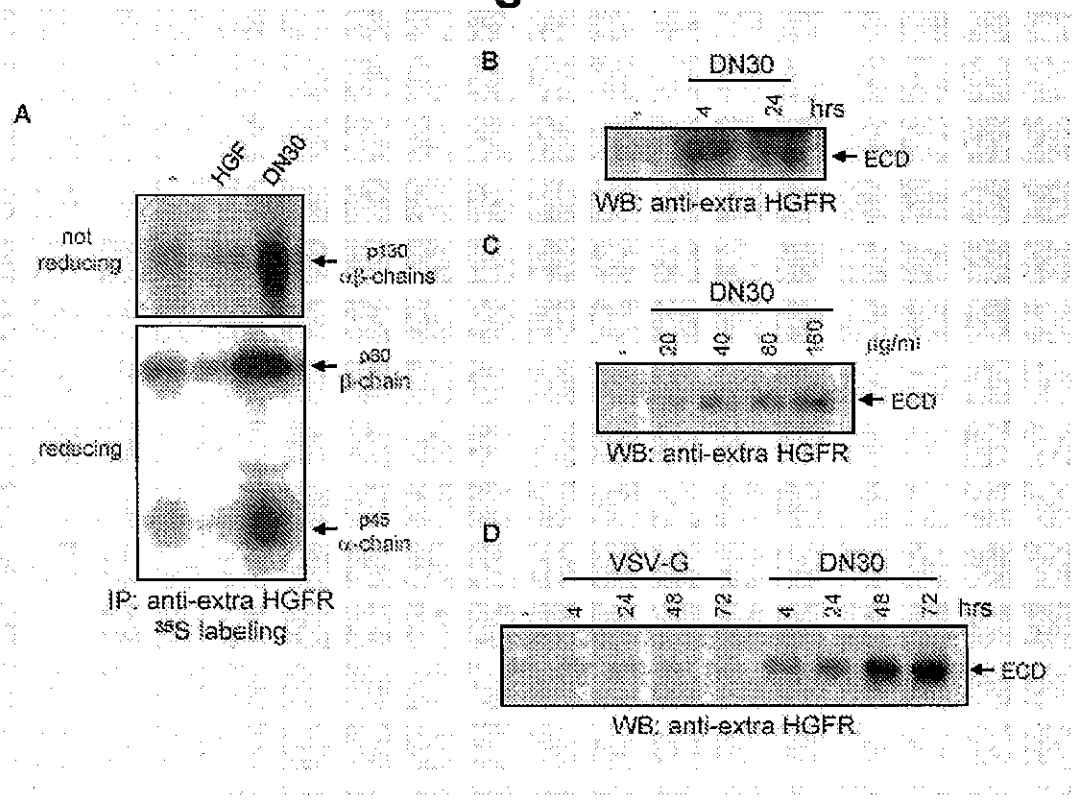

A
HGF
DN30
not reducing
p130 αβ-chains
p80 β-chain
reducing
p45 α-chain
IP: anti-extra HGFR
35S labeling
B
DN30
4
24
hrs
ECD
WB: anti-extra HGFR
C
DN30
20
40
80
150
µg/ml
ECD
WB: anti-extra HGFR
D
VSV-G
DN30
4
24
48
72
4
24
48
72
hrs
ECD
WB: anti-extra HGFR

Fig. 8

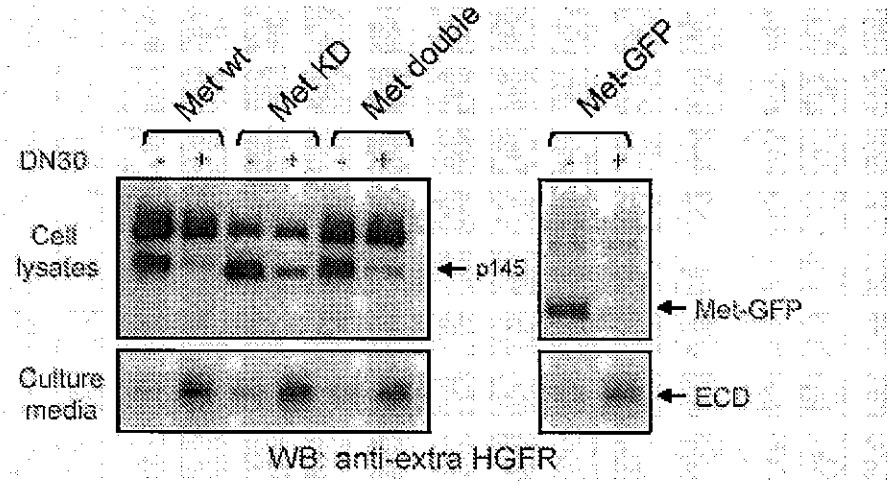
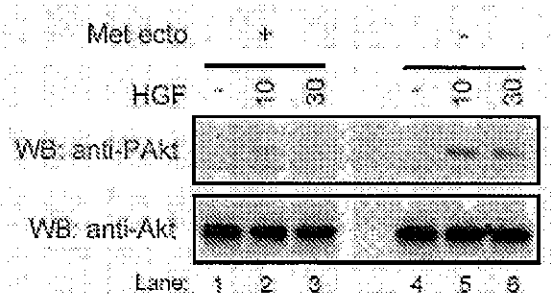
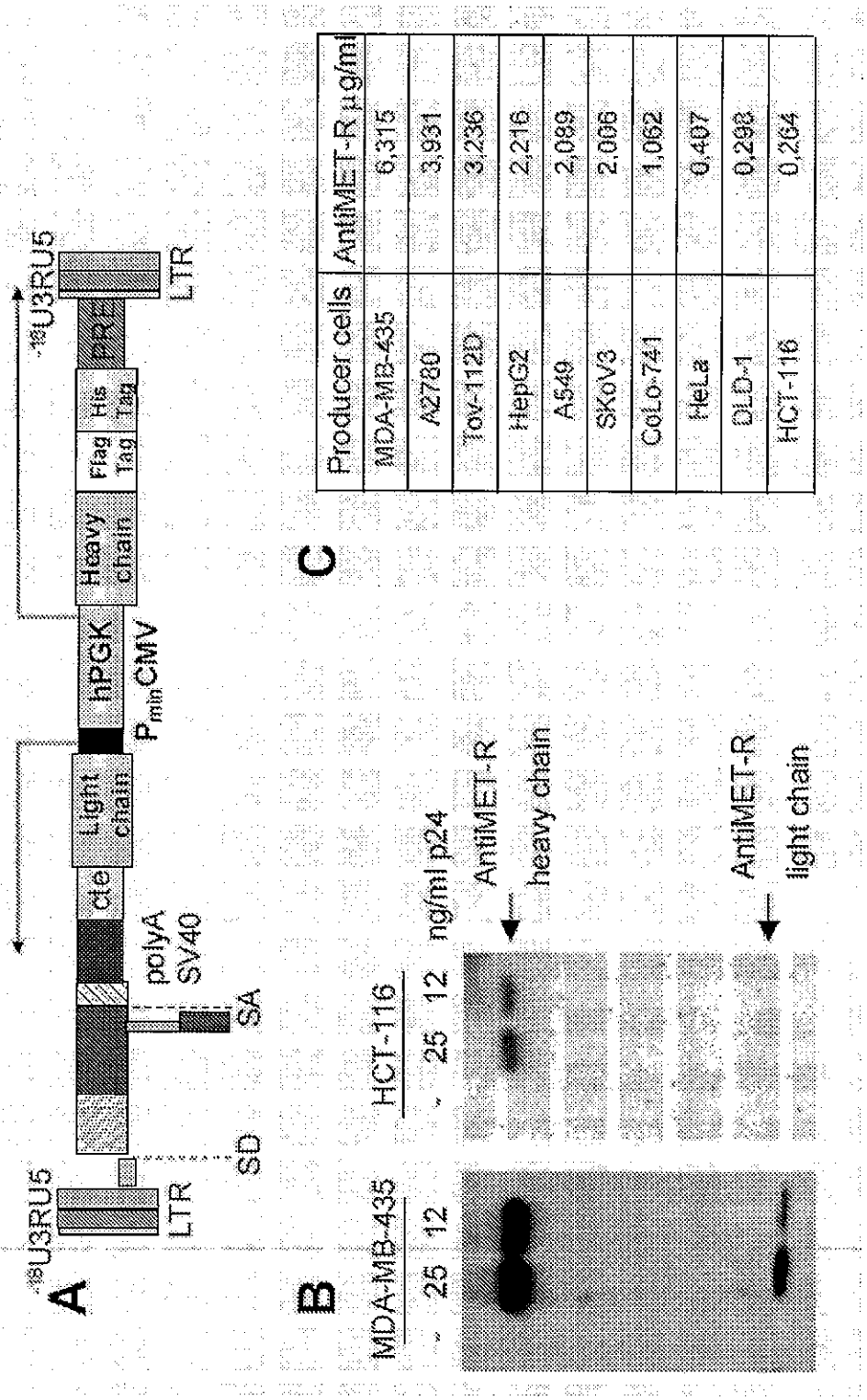

Met wt
Met KD
Met double
Met-GFP
DN30
- + - + - + - +
Cell lysates
p145
Met-GFP
Culture media
ECD
WB: anti-extra HGFR

Fig. 9


Met ecto + -
HGF - 10 30 - 10 30
WB: anti-PAkt
WB: anti-Akt
Lane: 1 2 3 4 5 6



Producer cells	AntiMET-R µg/ml
MDA-MB-435	6,315
A2780	3,931
Tov-112D	3,236
HepG2	2,216
A549	2,089
SKoV3	2,006
CoLo-741	1,062
HeLa	0,407
DLD-1	0,298
HCT-116	0,264

Fig. 10

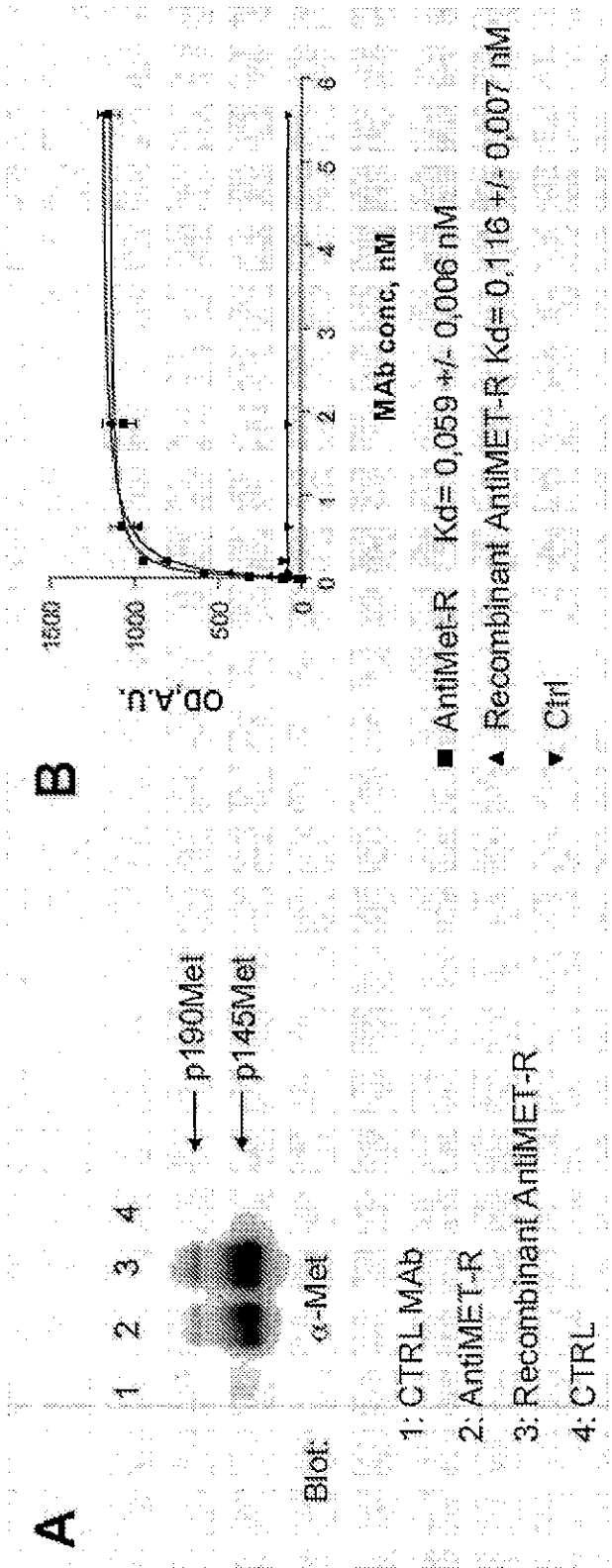

A
1 2 3 4
p190Met
p145Met
Blot: α-Met
1: CTRL MAb
2: AntiMET-R
3: Recombinant AntiMET-R
4: CTRL
B
O.D.A.U.
1500
1000
500
0
0 1 2 3 4 5 6
MAb conc, nM
AntiMet-R Kd= 0,059 +/- 0,006 nM
Recombinant AntiMET-R Kd= 0,116 +/- 0,007 nM
Ctrl

Fig. 11

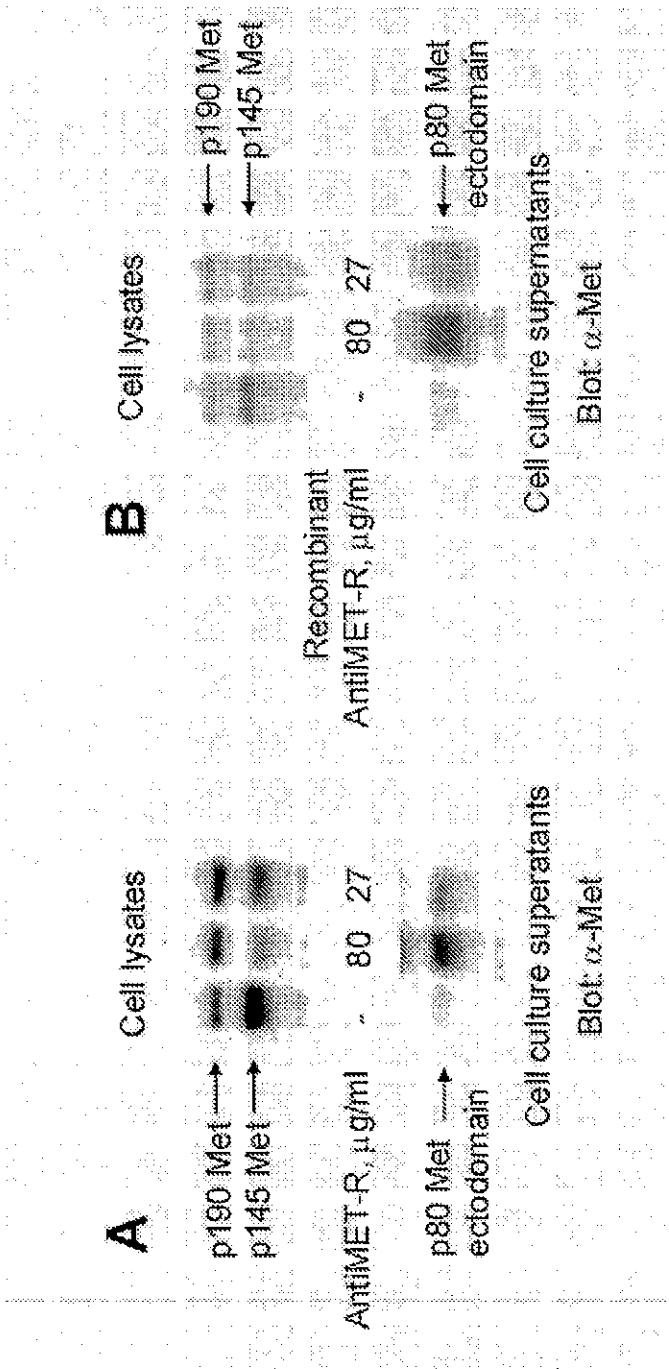

A
Cell lysates
p190 Met
p145 Met
AntiMET-R, µg/ml - 80 27
p80 Met ectodomain
Cell culture supernatants
Blot: α-Met
B
Cell lysates
p190 Met
p145 Met
Recombinant AntiMET-R, µg/ml - 80 27
p80 Met ectodomain
Cell culture supernatants
Blot: α-Met

Fig. 12

Fig 13

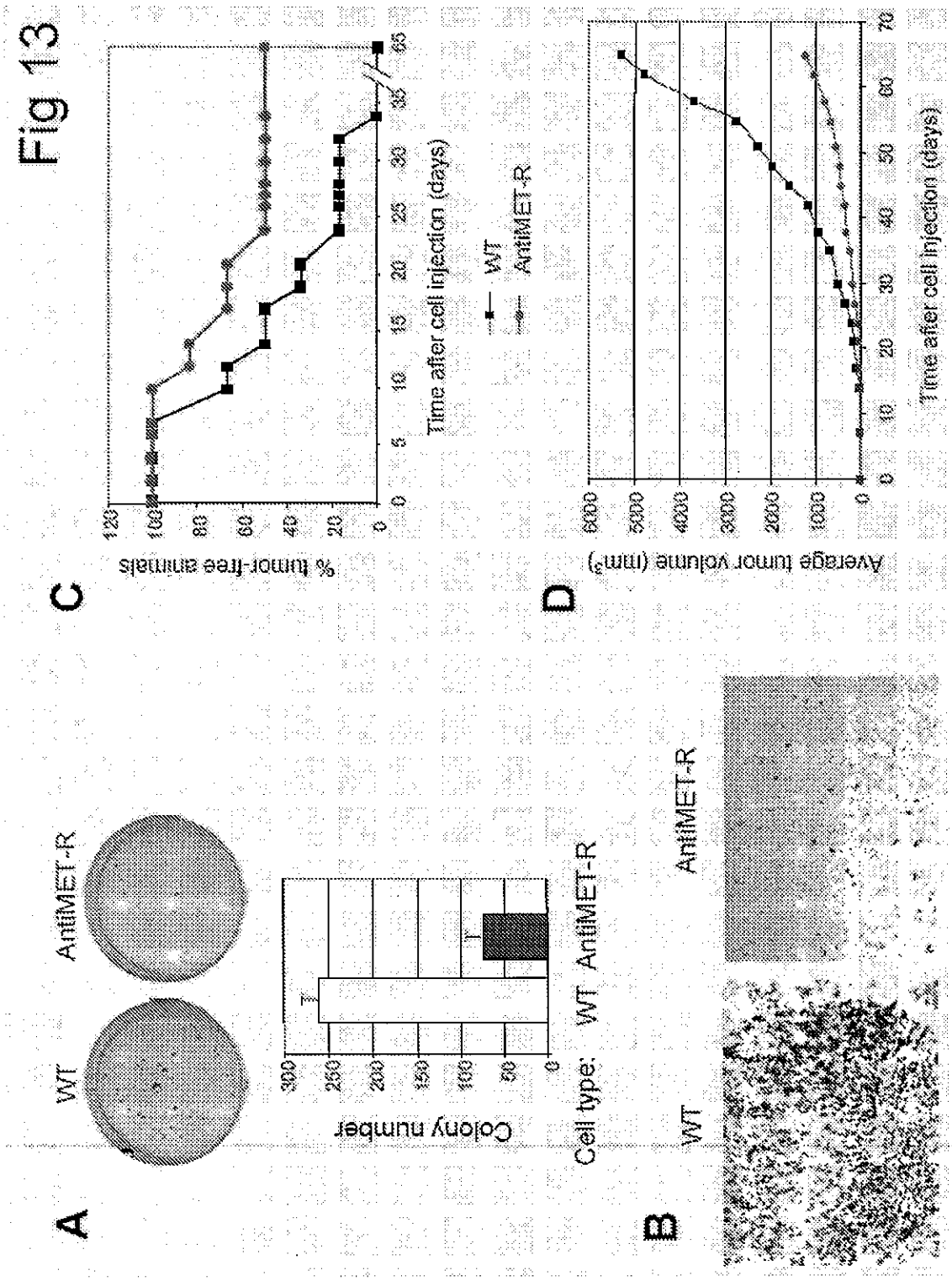

A
WT
AntiMET-R
Colony number
300
250
200
150
100
50
0
B
Cell type: WT AntiMET-R
WT
AntiMET-R
C
% tumor-free animals
120
100
80
60
40
20
0
0 5 10 15 20 25 30 35 65
Time after cell injection (days)
WT
AntiMET-R
D
Average tumor volume (mm³)
6000
5000
4000
3000
2000
1000
0
0 10 20 30 40 50 60 70
Time after cell injection (days)

Fig. 14

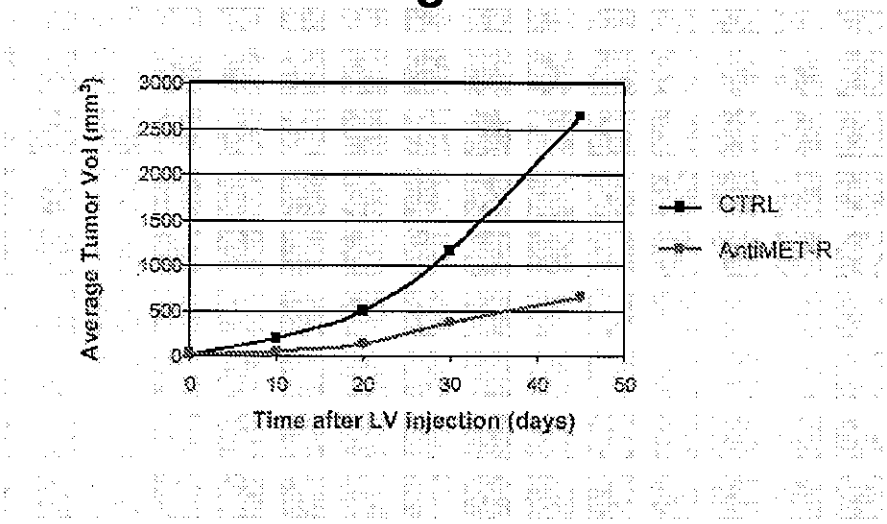

Average Tumor Vol (mm³)
3000
2500
2000
1500
1000
500
0
0
10
20
30
40
50
Time after LV injection (days)
CTRL
AntiMET-R

Fig. 15

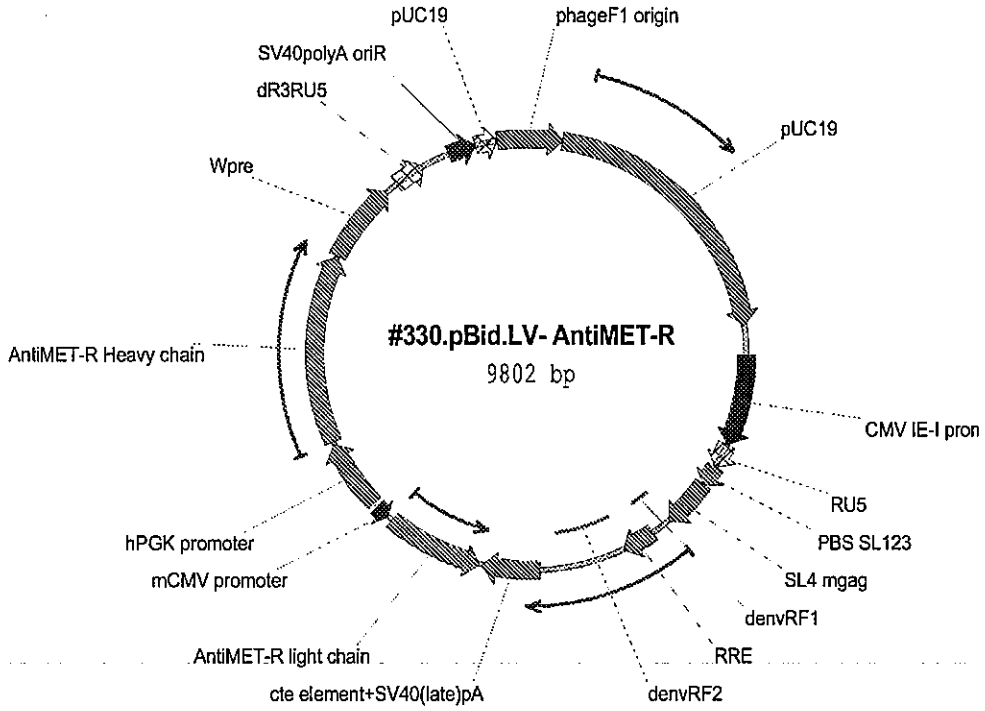

pUC19
phageF1 origin
SV40polyA oriR
dR3RU5
pUC19
Wpre
#330.pBid.LV- AntiMET-R
9802 bp
AntiMET-R Heavy chain
CMV IE-I pron
RU5
PBS SL123
SL4 mgag
denvRF1
RRE
denvRF2
hPGK promoter
mCMV promoter
AntiMET-R light chain
cte element+SV40(late)pA

Fig. 16

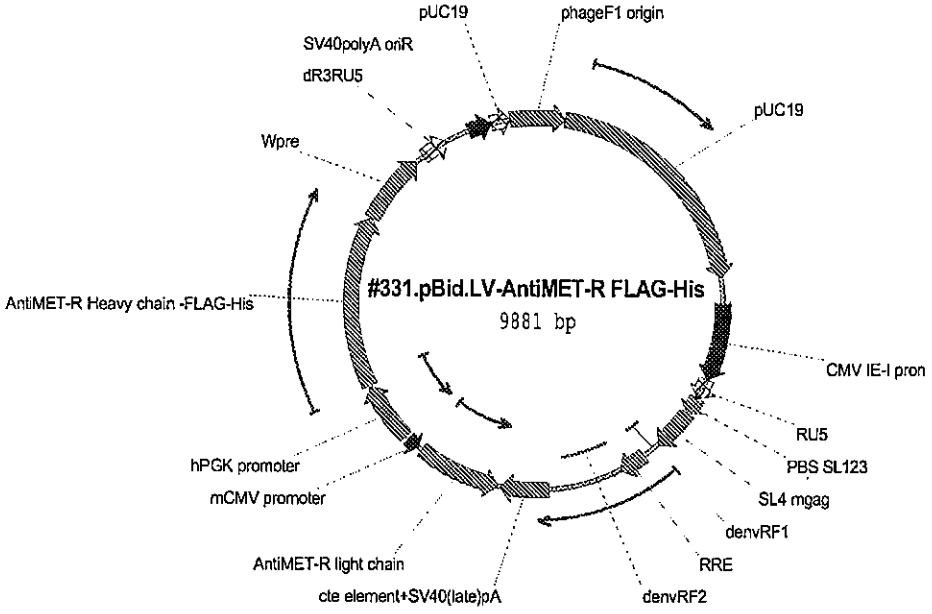

pUC19
phageF1 origin
SV40polyA oriR
dR3RU5
pUC19
Wpre
#331.pBid.LV-AntiMET-R FLAG-His
9881 bp
AntiMET-R Heavy chain -FLAG-His
CMV IE-I pron
RU5
PBS SL123
SL4 mgag
denvRF1
RRE
denvRF2
hPGK promoter
mCMV promoter
AntiMET-R light chain
cte element+SV40(late)pA

Fig. 17

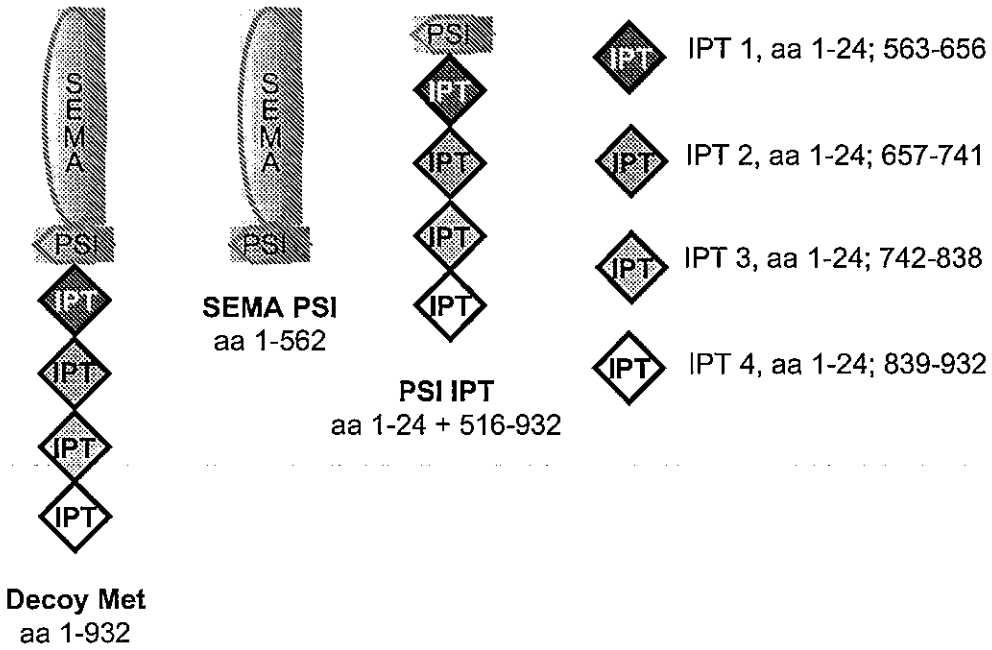

SEMA
PSI
IPT
IPT
IPT
IPT
Decoy Met
aa 1-932
SEMA PSI
aa 1-562
PSI IPT
aa 1-24 + 516-932
IPT 1, aa 1-24; 563-656
IPT 2, aa 1-24; 657-741
IPT 3, aa 1-24; 742-838
IPT 4, aa 1-24; 839-932

Fig. 18

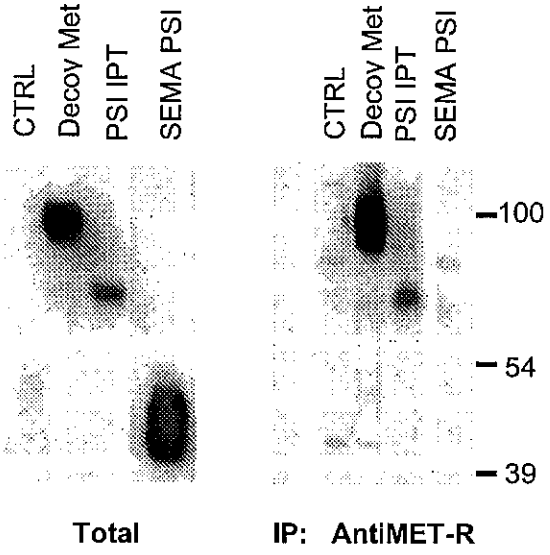

CTRL
Decoy Met
PSI IPT
SEMA PSI
CTRL
Decoy Met
PSI IPT
SEMA PSI
100
54
39
Total
IP: AntiMET-R
Blot: α-Myc

Fig. 19

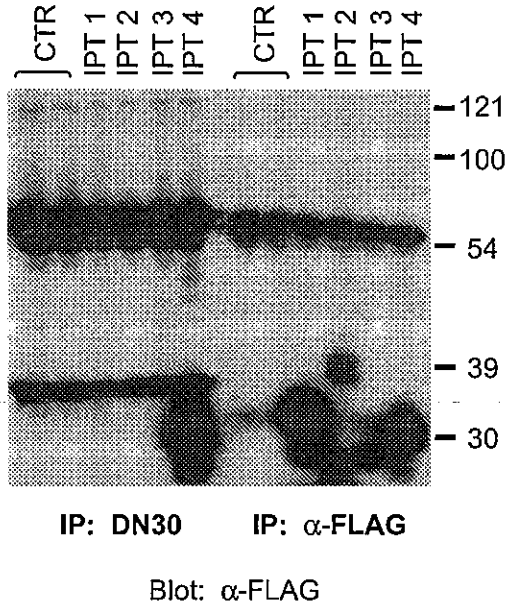

CTR
IPT 1
IPT 2
IPT 3
IPT 4
CTR
IPT 1
IPT 2
IPT 3
IPT 4
121
100
54
39
30
IP: DN30
IP: α-FLAG
Blot: α-FLAG

Fig. 20

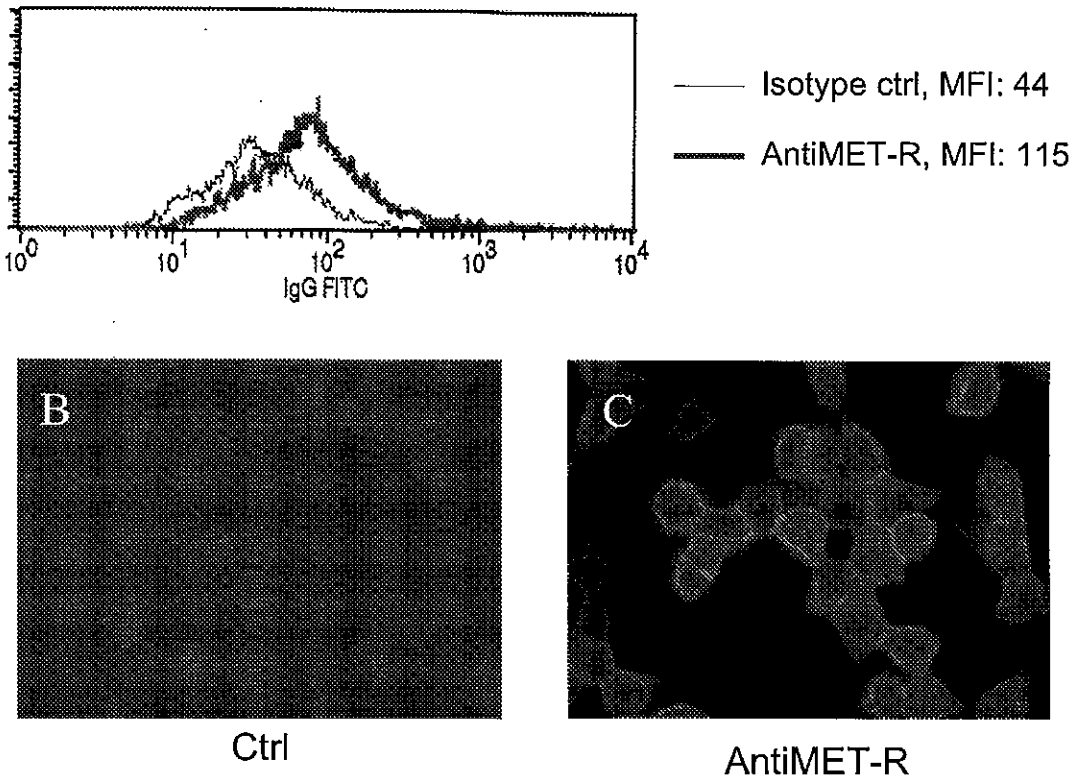

Isotype ctrl, MFI: 44
AntiMET-R, MFI: 115
10^0
10^1
10^2
10^3
10^4
IgG FITC
B
C
Ctrl
AntiMET-R

Figure 21a

```
atgggatgga gctatatcat cctcttttg gtagcaacag ctacagatgg ccactcccag     60
gtccaactgc agcagcctgg gactgaactg gtgaagcctg gggcttcagt gaagctgtcc    120
tgcaaggctt ctggctacac cttcaccagt tactggatac actgggtgaa gcagaggcct    180
ggacaaggcc ttgagtggat tggagagatt aatcctagca gcggtcgtac taactacaac    240
gagaaattca agaacaaggt cacagtgact gtagacaaat cttccaccac agcctacatg    300
caactcagca acctgacatc tgaggactct gcggtctatt actgtgcaag taggggctac    360
tggggccaag gcaccactct cacagtctcc tcagccaaaa caacagcccc atcggtctat    420
ccactggccc ctgtgtgtgg aaatacaact ggctcctcgg tgactctagg atgcctggtc    480
aagggttatt tccctgagcc agtgaccttg acctggaact ctggatccct gtccagtggt    540
gtgcacacct tcccagctgt cctgcagtct gacctctaca ccctcagcag ctcagtgact    600
gtaacctcga gcacctggcc cagccagtcc atcacctgca atgtggccca cccggcaagc    660
agcaccaagg tggacaagaa aattgagccc agagggccca caatcaagcc ctgtcctcca    720
tgcaaatgcc cagcacctaa cctcttgggt ggaccatccg tcttcatctt ccctccaaag    780
atcaaggatg tactcatgat ctccctgagc cccatagtca catgtgtggt ggtggatgtg    840
agcgaggatg acccagatgt ccagatcagc tggtttgtga acaacgtgga agtacacaca    900
gctcagacac aaacccatag agaggattac aacagtactc tccgggtggt cagtgccctc    960
cccatccagc accaggactg gatgagtggc aaggagttca aatgcaaggt caacaacaaa   1020
gacctcccag cgcccatcga gagaaccatc tcaaaaccca aagggtcagt aagagctcca   1080
caggtatatg tcttgcctcc accagaagaa gagatgacta agaaacaggt cactctgacc   1140
tgcatggtca cagacttcat gcctgaagac atttacgtgg agtggaccaa caacgggaaa   1200
acagagctaa actacaagaa cactgaacca gtcctggact ctgatggttc ttacttcatg   1260
tacagcaagc tgagagtgga aaagaagaac tgggtggaaa gaaatagcta ctcctgttca   1320
gtggtccacg agggtctgca caatcaccac acgactaaga gcttctcccg gactccgggt   1380
aaatga                                                             1386
```

Figure 21b

MGWSYIILFLVATATDGHSQVQLQQPGTELVKPGASVKLSCKAS**GYTFTSYW**IHWVKQRPGQGLEW
IGE**INPSSGRT**NYNEKFKNKVTVTVDKSSTTAYMQLSNLTSEDSAVYYC**ASRGY**WGQGTTLTVSSA
KTTAPSVYPLAPVCGNTTGSSVTLGCLVKGYFPEPVTLTWNSGSLSSGVHTFPAVLQSDLYTLSSS
VTVTSSTWPSQSITCNVAHPASSTKVDKKIEPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDV
LMISLSPIVTCVVVDVSEDDPDVQISWFVNNVEVHTAQTQTHREDYNSTLRVVSALPIQHQDWMSG
KEFKCKVNNKDLPAPIERTISKPKGSVRAPQVYVLPPPEEEMTKKQVTLTCMVTDFMPEDIYVEWT
NNGKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSYSCSVVHEGLHNHHTTKSFSRTPGK

Figure 22a

```
atggagacag acacaatcct gctatgggtg ctgctgctct gggttccagg ctccactggt     60
gacattgtgc tgacccaatc tccagcttct ttggctgtgt ctctagggca gagggccacc    120
atctcctgca aggccagcca aagtgttgat tatgatggtg gtagttatat gagttggttc    180
caacagagac caggacagcc acccaaactc ctcatctctg ctgcatccaa tctagaatct    240
gggatcccag ccaggtttag tggcagtggc tctgggacag acttcaccct caatatccat    300
cctgtggagg aggaggatgt tgcaacctat tactgtcagc aaagttatga ggatccgctc    360
acgttcggtg ctgggaccaa gctggagctg aaacgggctg atgctgcacc aactgtatcc    420
atcttcccac catccagtga gcagttaaca tctggaggtg cctcagtcgt gtgcttcttg    480
aacaacttct accccaaaga catcaatgtc aagtggaaga ttgatggcag tgaacgacaa    540
aatggcgtcc tgaacagttg gactgatcag gacagcaaag acagcaccta cagcatgagc    600
agcaccctca cgttgaccaa ggacgagtat gaacgacata acagctatac ctgtgaggcc    660
actcacaaga catctacttc acccattgtc aagagcttca acaggaatga gtgttag       717
```

Figure 22b

METDTILLWVLLLWVPGSTGDIVLTQSPASLAVSLGQRATISCKAS**QSVDYDGGSY**MSWFQQRPGQ
PPKLLIS**AAS**NLESGIPARFSGSGSGTDFTLNIHPVEEEDVATYYC**QQSYEDPLT**FGAGTKLELKR
ADAAPTVSIFPPSSEQLTSGGASVVCFLNNFYPKDINVKWKIDGSERQNGVLNSWTDQDSKDSTYS
MSSTLTLTKDEYERHNSYTCEATHKTSTSPIVKSFNRNEC