IL-8 expression and its possible relationship with estrogen-receptor-negative status of breast cancer cells.

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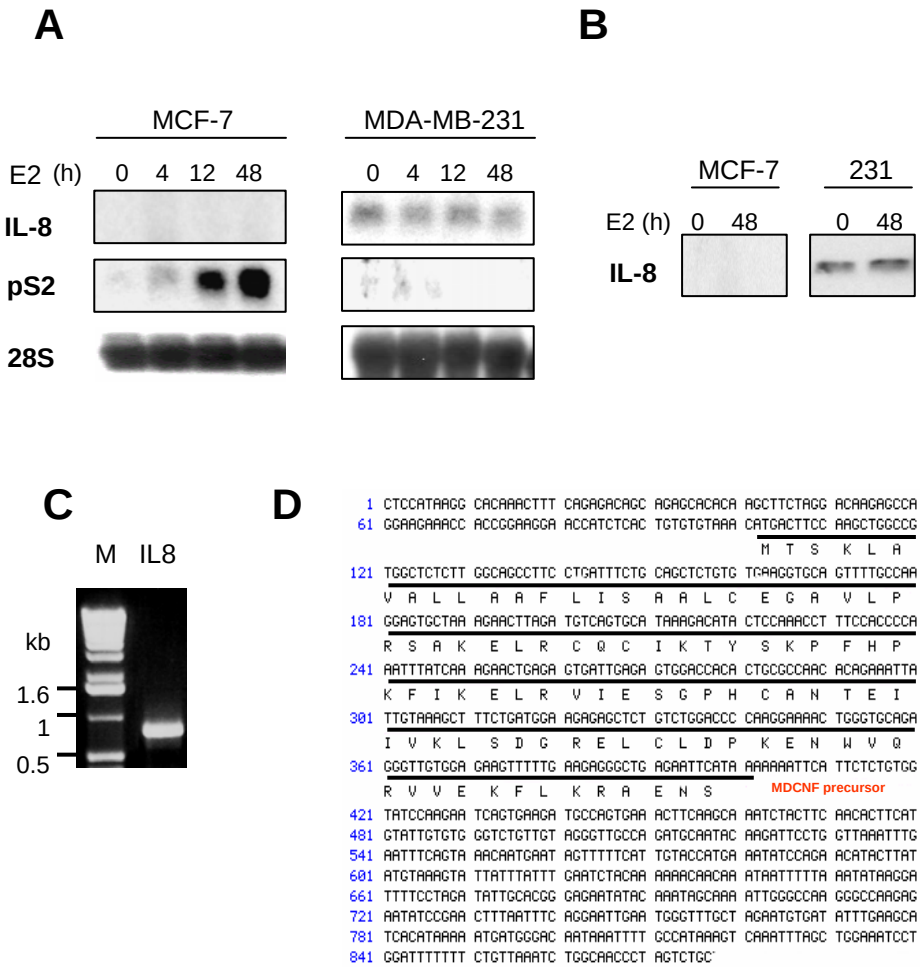

A
MCF-7
MDA-MB-231
E2 (h) 0 4 12 48
0 4 12 48
IL-8
pS2
28S
B
MCF-7
231
E2 (h) 0 48
0 48
IL-8
C
M IL8
kb
1.6
1
0.5
D
MDCNF precursor

Fig. 1

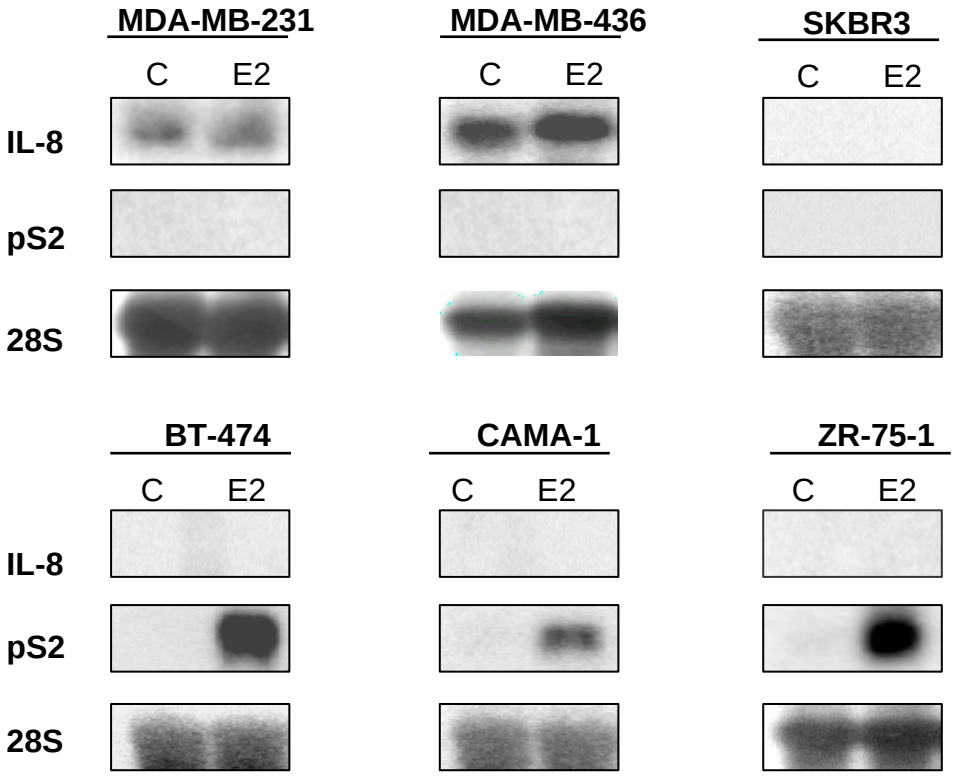
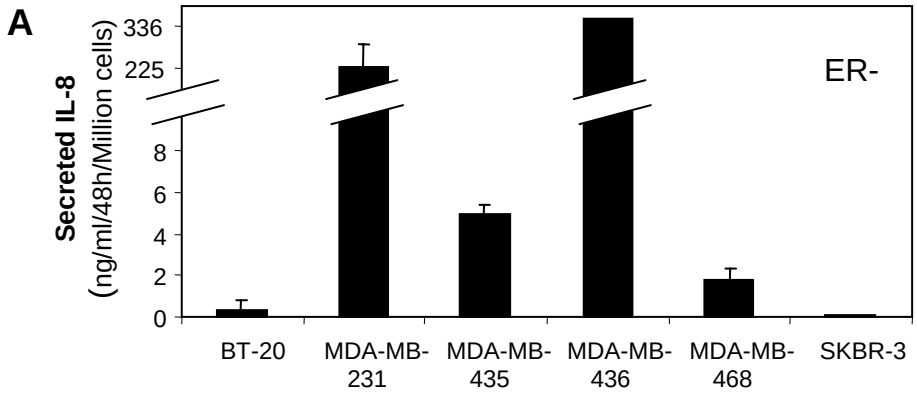
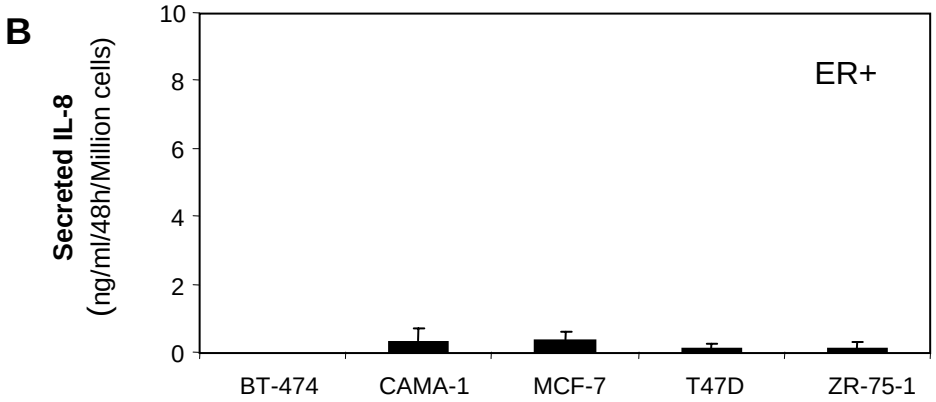

MDA-MB-231
MDA-MB-436
SKBR3
C
E2
C
E2
C
E2
IL-8
pS2
28S
BT-474
CAMA-1
ZR-75-1
C
E2
C
E2
C
E2
IL-8
pS2
28S

Fig. 2


A
Secreted IL-8
(ng/ml/48h/Million cells)
336
225
8
6
4
2
0
ER-
BT-20
MDA-MB-231
MDA-MB-435
MDA-MB-436
MDA-MB-468
SKBR-3


B
Secreted IL-8
(ng/ml/48h/Million cells)
10
8
6
4
2
0
ER+
BT-474
CAMA-1
MCF-7
T47D
ZR-75-1

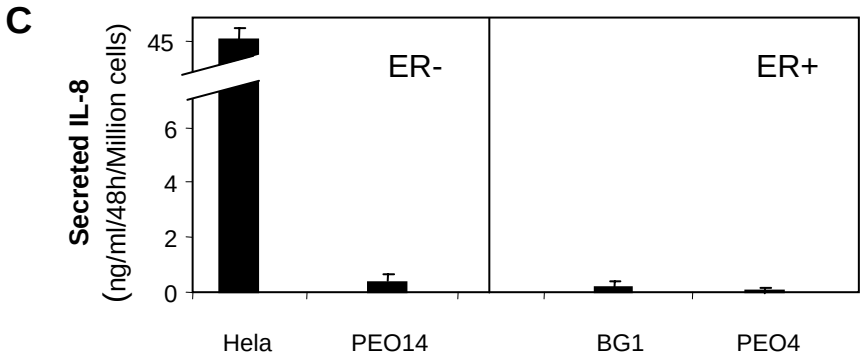
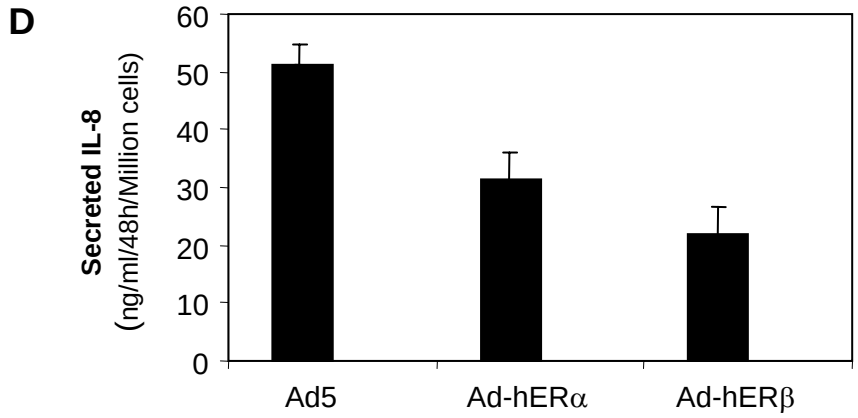
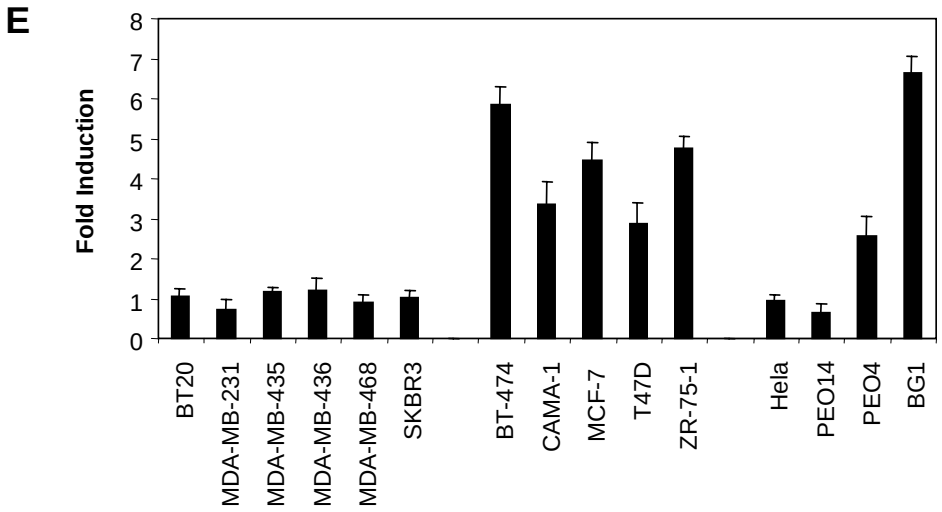

C
Secreted IL-8
(ng/ml/48h/Million cells)
45
6
4
2
0
ER-
ER+
Hela
PEO14
BG1
PEO4

Fig. 3


D
Secreted IL-8
(ng/ml/48h/Million cells)
60
50
40
30
20
10
0
Ad5
Ad-hERα
Ad-hERβ


E
Fold Induction
8
7
6
5
4
3
2
1
0
BT20
MDA-MB-231
MDA-MB-435
MDA-MB-436
MDA-MB-468
SKBR3
BT-474
CAMA-1
MCF-7
T47D
ZR-75-1
Hela
PEO14
PEO4
BG1

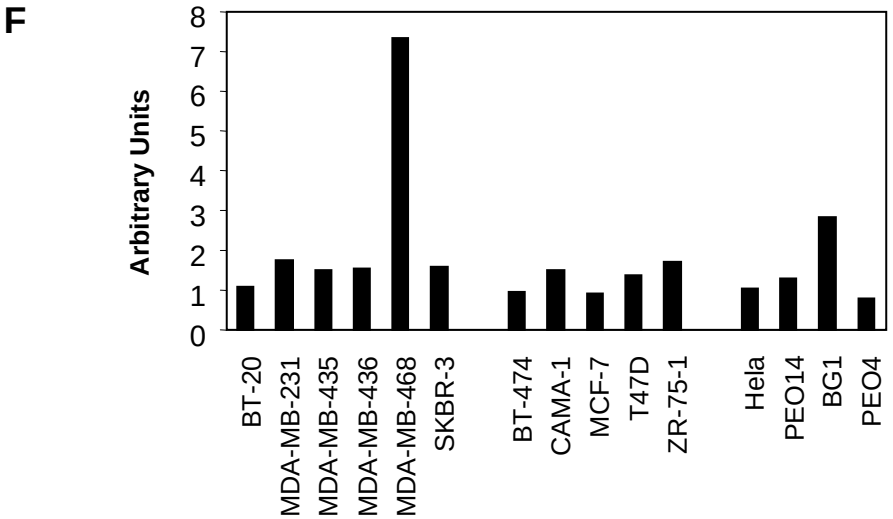
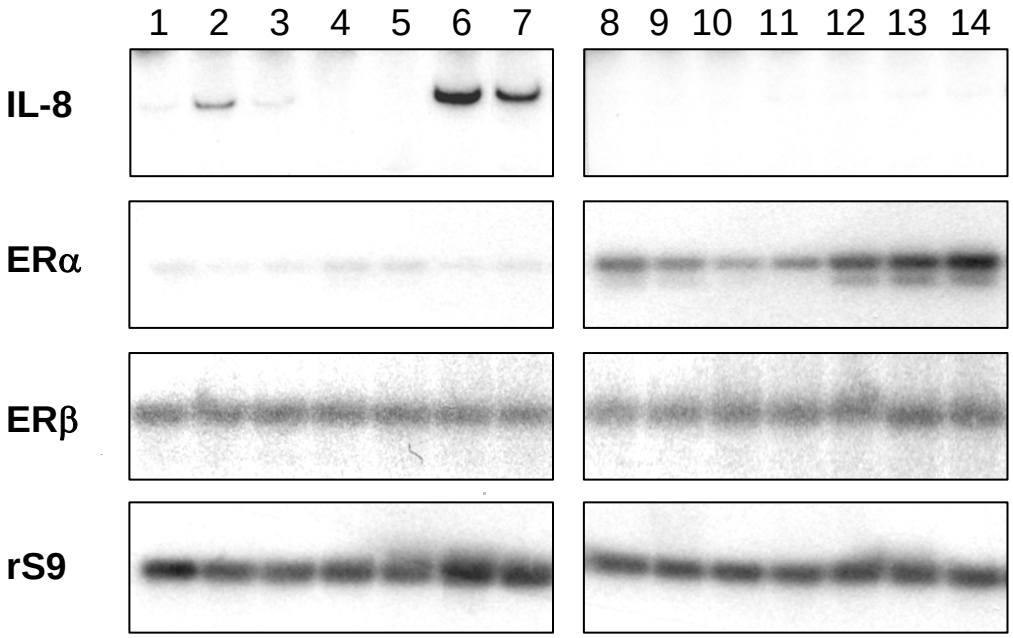

F
Arbitrary Units
8
7
6
5
4
3
2
1
0
BT-20
MDA-MB-231
MDA-MB-435
MDA-MB-436
MDA-MB-468
SKBR-3
BT-474
CAMA-1
MCF-7
T47D
ZR-75-1
Hela
PEO14
BG1
PEO4

Fig. 3



B

	ER (fmol/mg)	PR (fmol/mg)
1	5	0.6
2	0	6.2
3	2.7	22.6
4	2.9	6.5
5	1.1	12
6	4.3	0.6
7	2.2	2.4
8	141.2	256.1
9	124.6	11.4
10	248	113
11	103	67.9
12	377	84
13	472	472
14	511	38.1

C

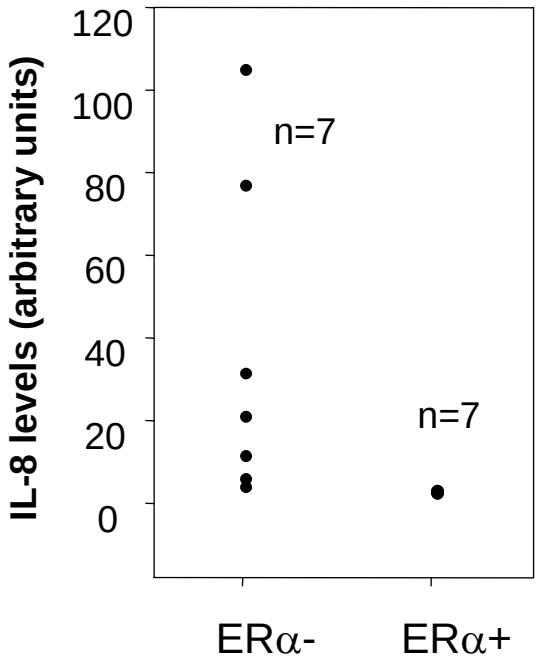


Fig. 4

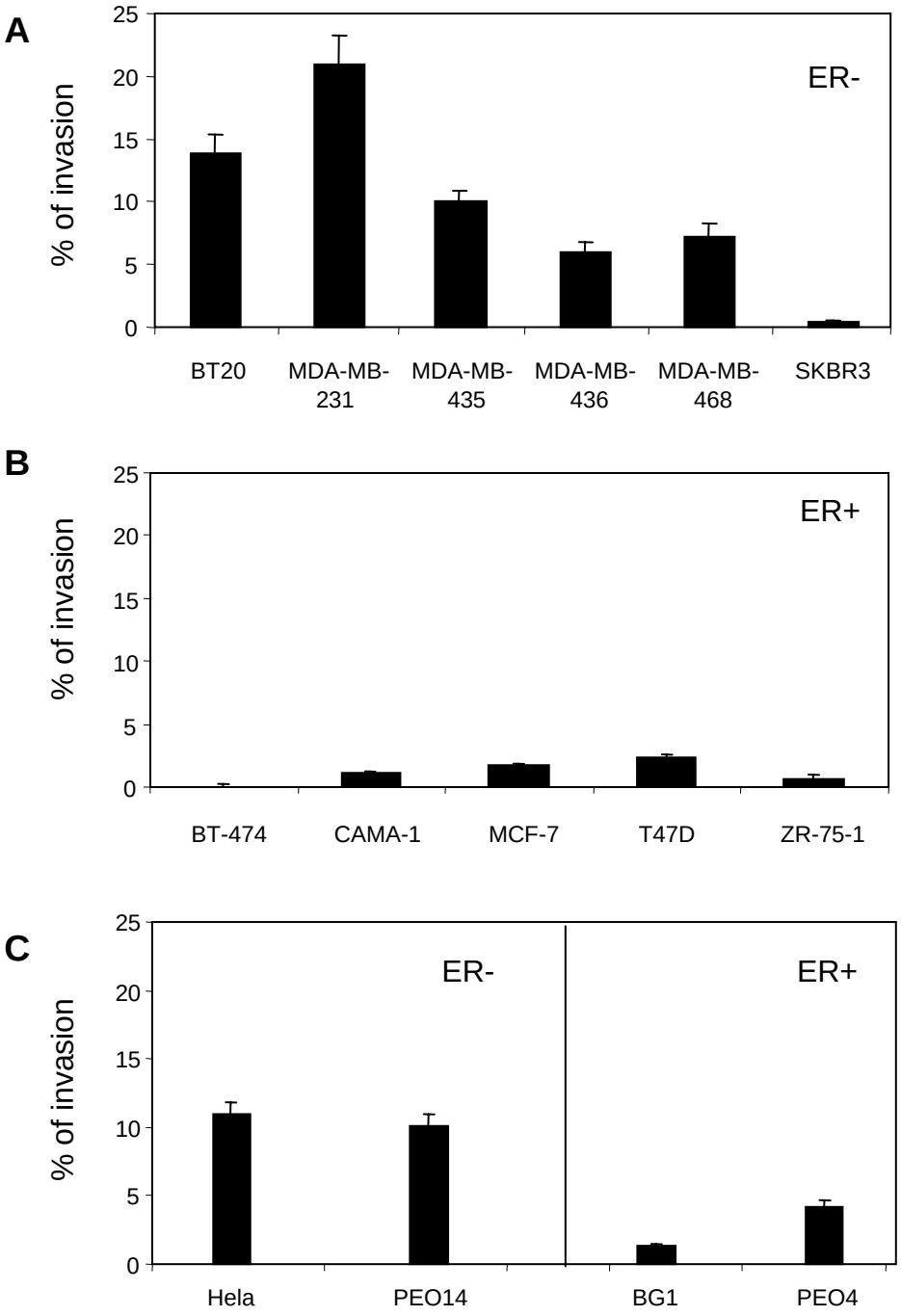
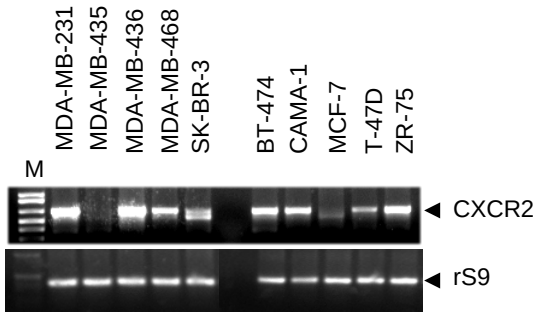
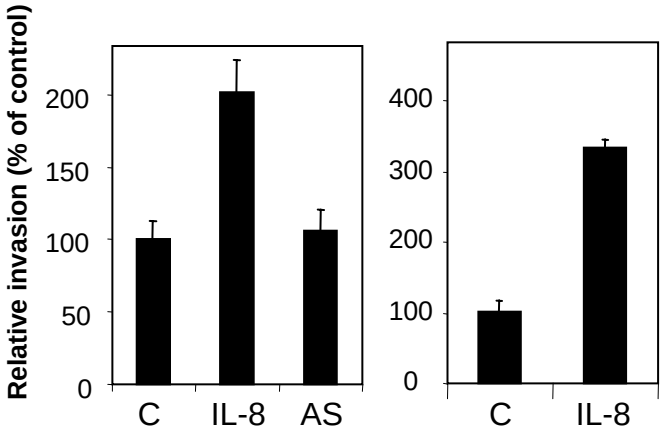

A
% of invasion
25
20
15
10
5
0
ER-
BT20
MDA-MB-231
MDA-MB-435
MDA-MB-436
MDA-MB-468
SKBR3
B
% of invasion
25
20
15
10
5
0
ER+
BT-474
CAMA-1
MCF-7
T47D
ZR-75-1
C
% of invasion
25
20
15
10
5
0
ER-
ER+
Hela
PEO14
BG1
PEO4

Fig. 5

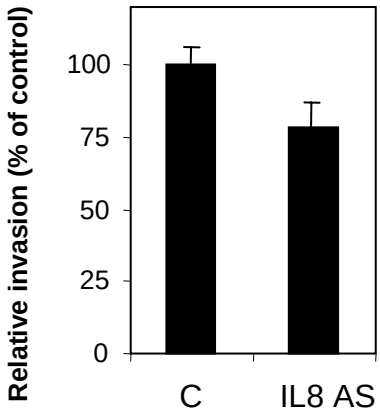
A


M
MDA-MB-231
MDA-MB-435
MDA-MB-436
MDA-MB-468
SK-BR-3
BT-474
CAMA-1
MCF-7
T-47D
ZR-75
CXCR2
rS9

B


Relative invasion (% of control)
0
50
100
150
200
C
IL-8
AS
0
100
200
300
400
C
IL-8

C


Relative invasion (% of control)
0
25
50
75
100
C
IL8 AS

D

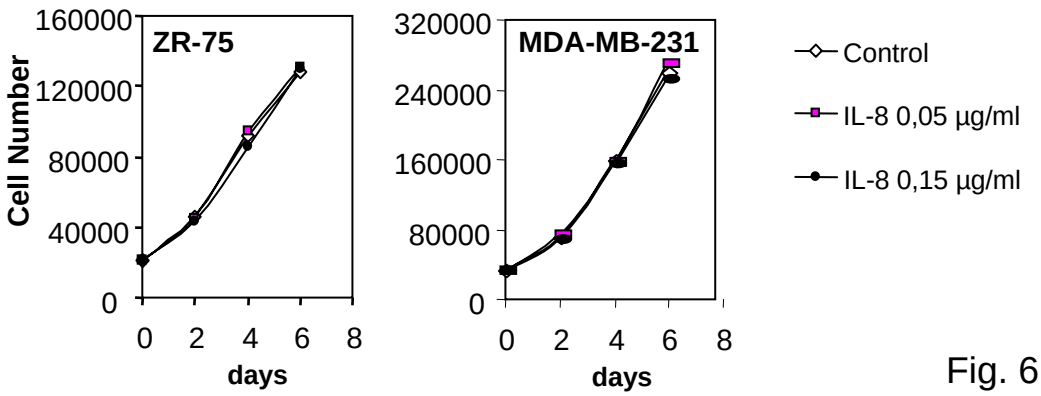

Cell Number
ZR-75
MDA-MB-231
0
40000
80000
120000
160000
0
80000
160000
240000
320000
0
2
4
6
8
days
Control
IL-8 0,05 µg/ml
IL-8 0,15 µg/ml

Fig. 6