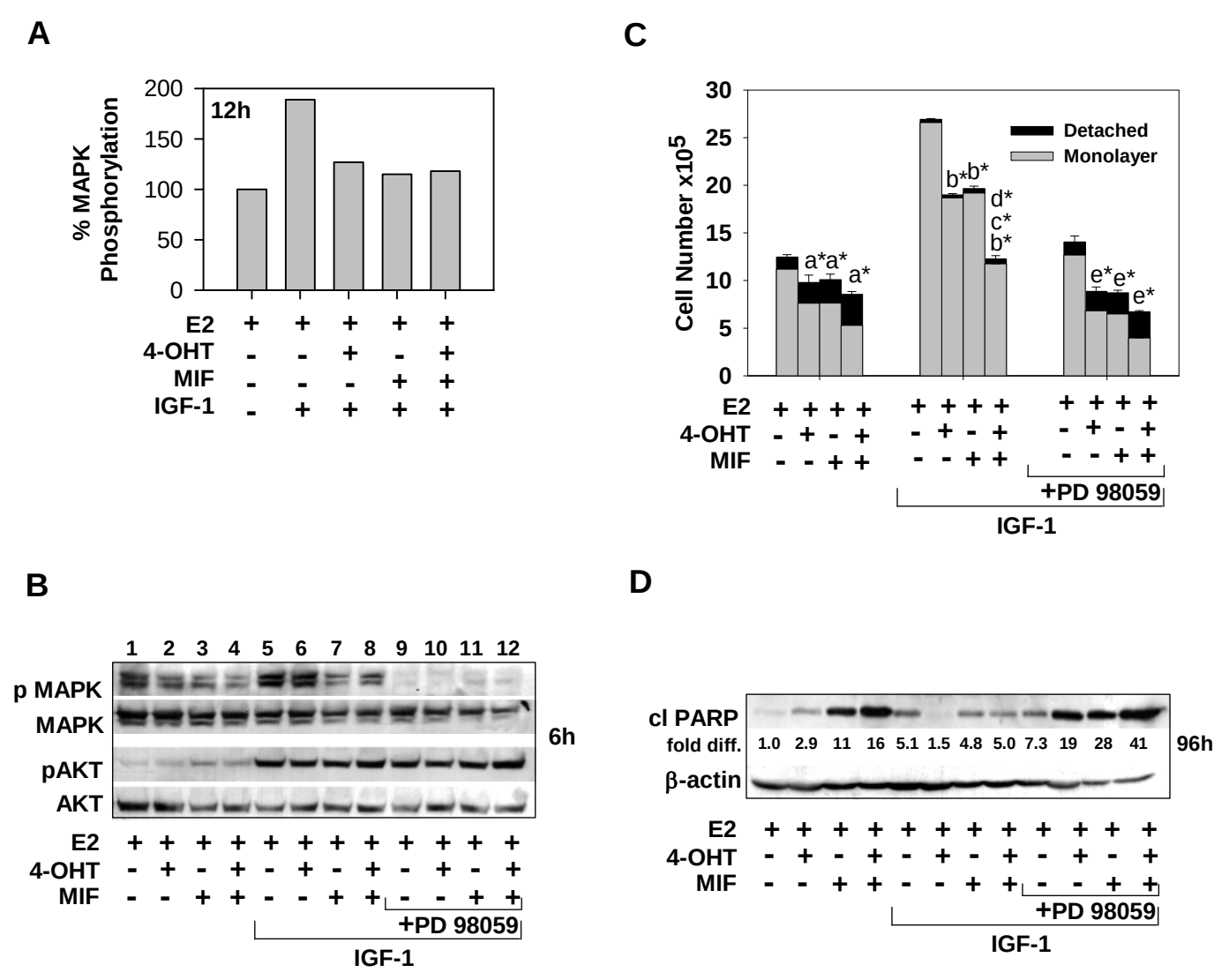
A
% MAPK Phosphorylation
200
150
100
50
0
12h
E2 + + + + +
4-OHT - - + - +
MIF - - - + +
IGF-1 - + + + +
C
Cell Number x10^5
30
25
20
15
10
5
0
Detached
Monolayer
a*a*
a*
b*b*
d*
c*
b*
e*e*
e*
E2 + + + + + + + + + + + +
4-OHT - + - + - + - + - + - +
MIF - - + + - - + + - - + +
+PD 98059
IGF-1
B
1 2 3 4 5 6 7 8 9 10 11 12
p MAPK
MAPK
pAKT
AKT
6h
E2 + + + + + + + + + + + +
4-OHT - + - + - + - + - + - +
MIF - - + + - - + + - - + +
+PD 98059
IGF-1
D
cl PARP
fold diff. 1.0 2.9 11 16 5.1 1.5 4.8 5.0 7.3 19 28 41
β-actin
96h
E2 + + + + + + + + + + + +
4-OHT - + - + - + - + - + - +
MIF - - + + - - + + - - + +
+PD 98059
IGF-1