FIG. 1

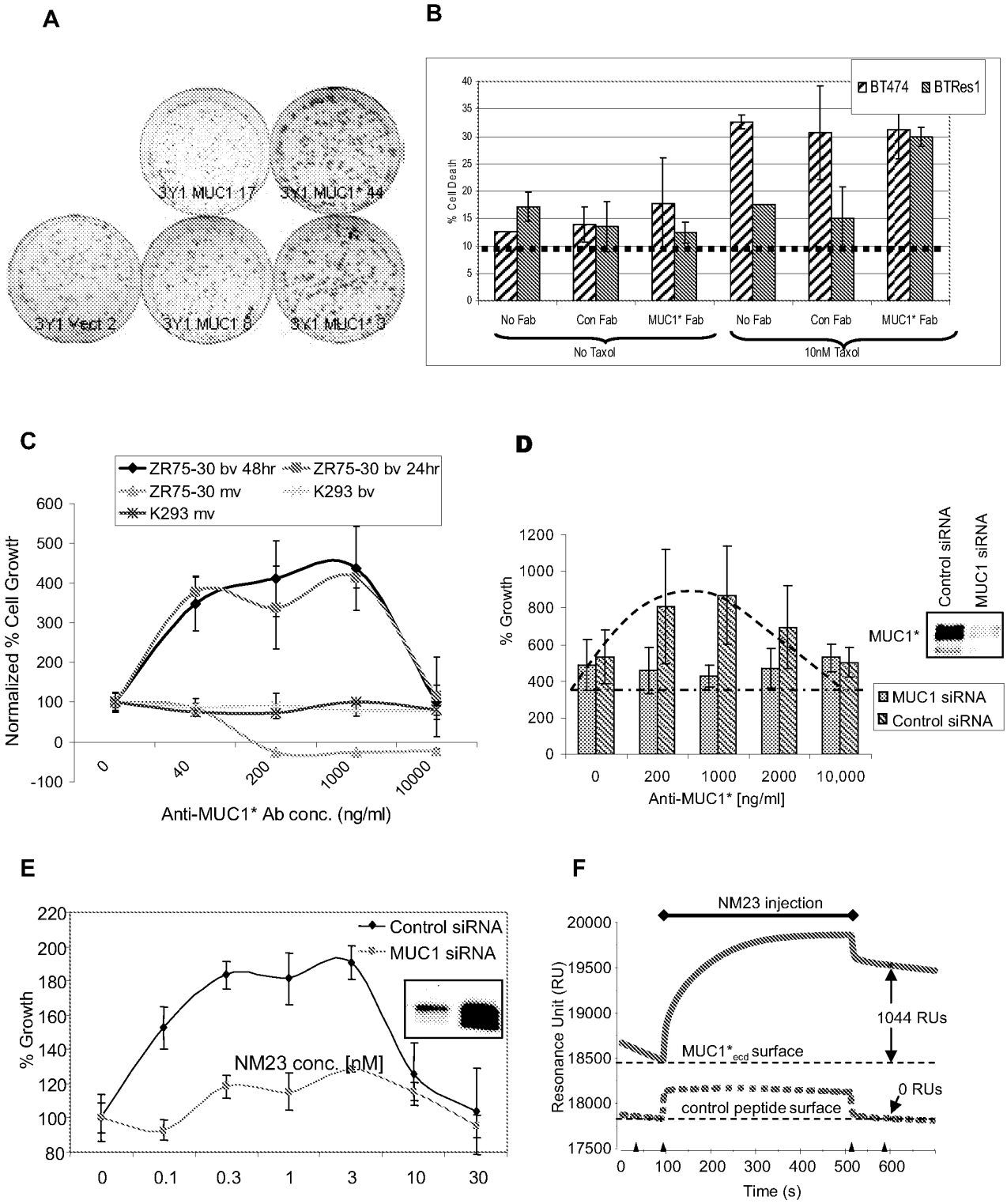

A
3Y1 MUC1 17
3Y1 MUC1* 44
3Y1 Vect 2
3Y1 MUC1 8
3Y1 MUC1* 3
B
BT474
BTRes1
% Cell Death
No Fab
Con Fab
MUC1* Fab
No Fab
Con Fab
MUC1* Fab
No Taxol
10nM Taxol
C
ZR75-30 bv 48hr
ZR75-30 bv 24hr
ZR75-30 mv
K293 bv
K293 mv
Normalized % Cell Growth
Anti-MUC1* Ab conc. (ng/ml)
D
% Growth
Control siRNA
MUC1 siRNA
MUC1*
MUC1 siRNA
Control siRNA
Anti-MUC1* [ng/ml]
E
Control siRNA
MUC1 siRNA
% Growth
NM23 conc. [nM]
F
NM23 injection
Resonance Unit (RU)
1044 RUs
MUC1*ecd surface
0 RUs
control peptide surface
Time (s)

FIG. 2

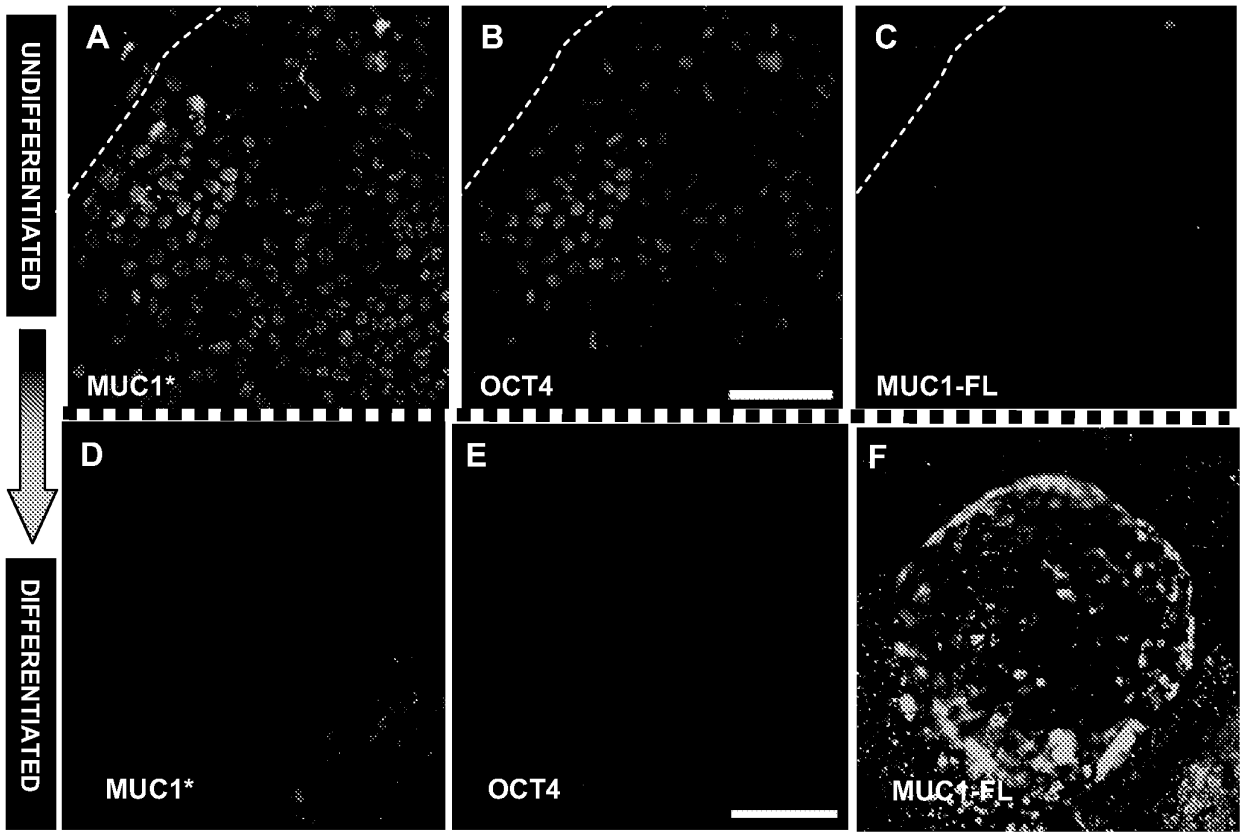

UNDIFFERENTIATED
DIFFERENTIATED
A
B
C
D
E
F
MUC1*
OCT4
MUC1-FL
MUC1*
OCT4
MUC1-FL

FIG. 3

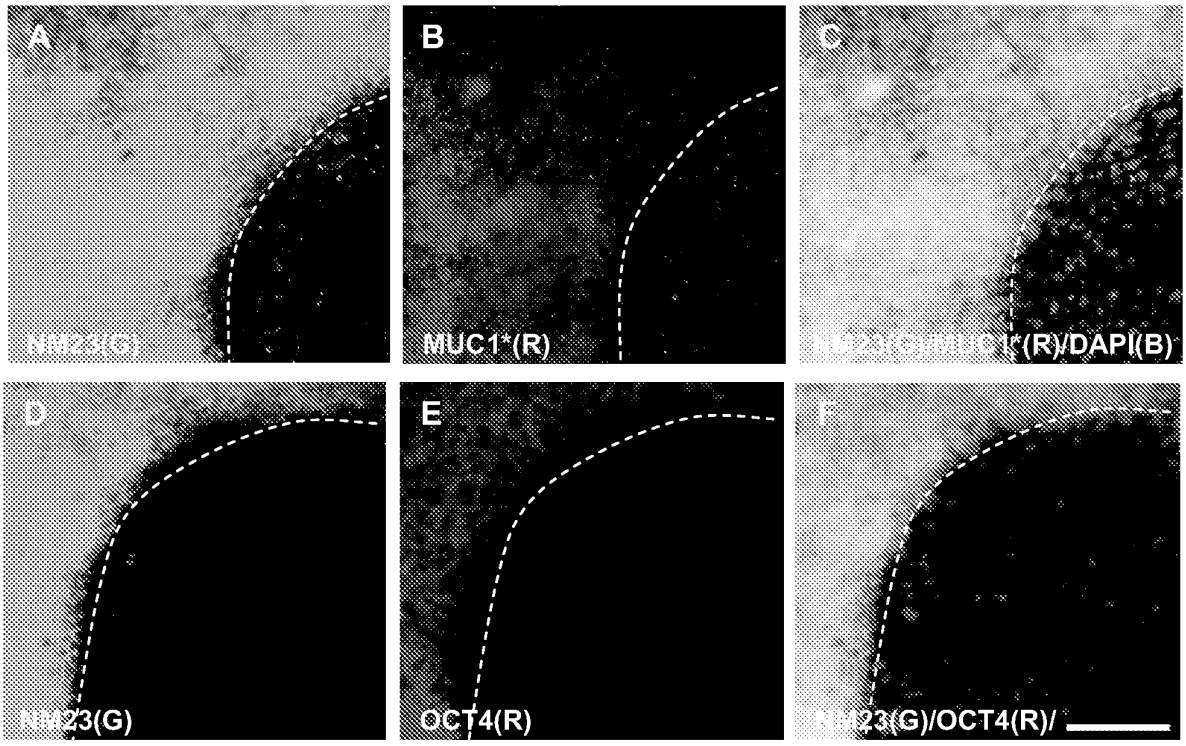

A
NM23(G)
B
MUC1*(R)
C
NM23(G)/MUC1*(R)/DAPI(B)
D
NM23(G)
E
OCT4(R)
F
NM23(G)/OCT4(R)/

FIG. 4

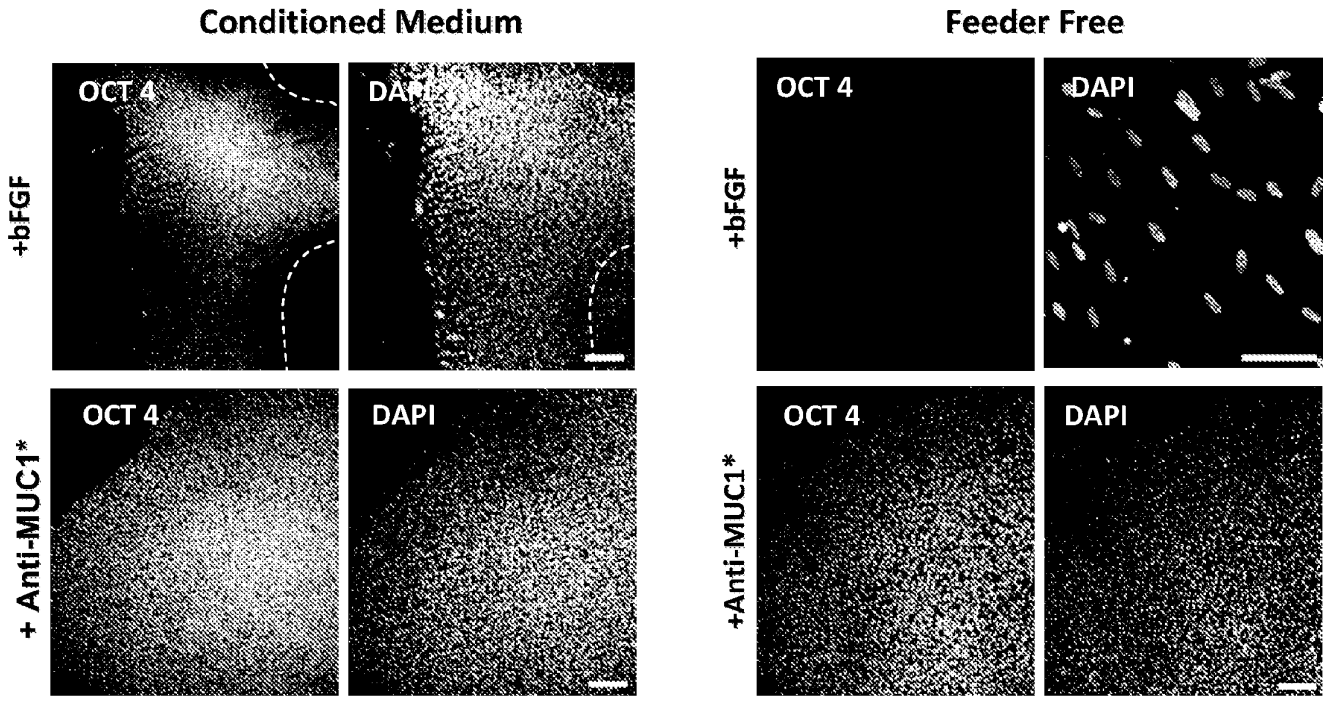

Conditioned Medium
Feeder Free
+bFGF
+ Anti-MUC1*
+bFGF
+Anti-MUC1*
OCT 4
DAPI
OCT 4
DAPI
OCT 4
DAPI
OCT 4
DAPI

FIG. 5

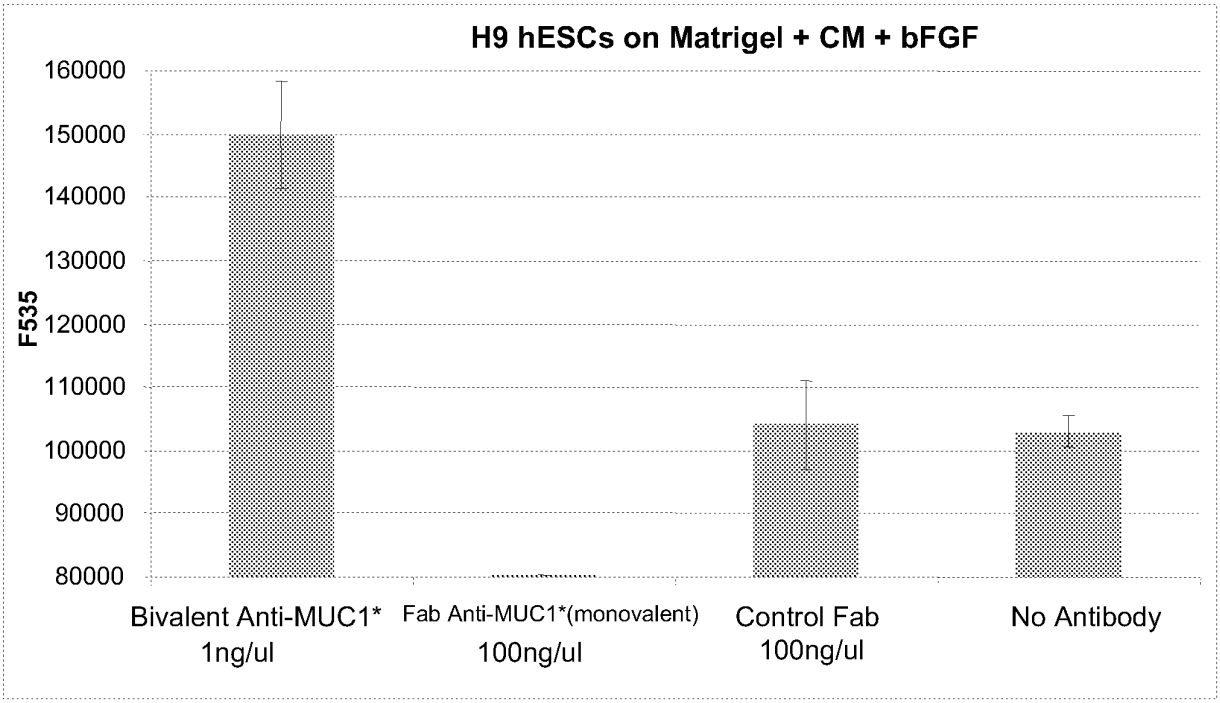

H9 hESCs on Matrigel + CM + bFGF
F535
160000
150000
140000
130000
120000
110000
100000
90000
80000
Bivalent Anti-MUC1* 1ng/ul
Fab Anti-MUC1*(monovalent) 100ng/ul
Control Fab 100ng/ul
No Antibody

FIG. 6

