FIG. 1

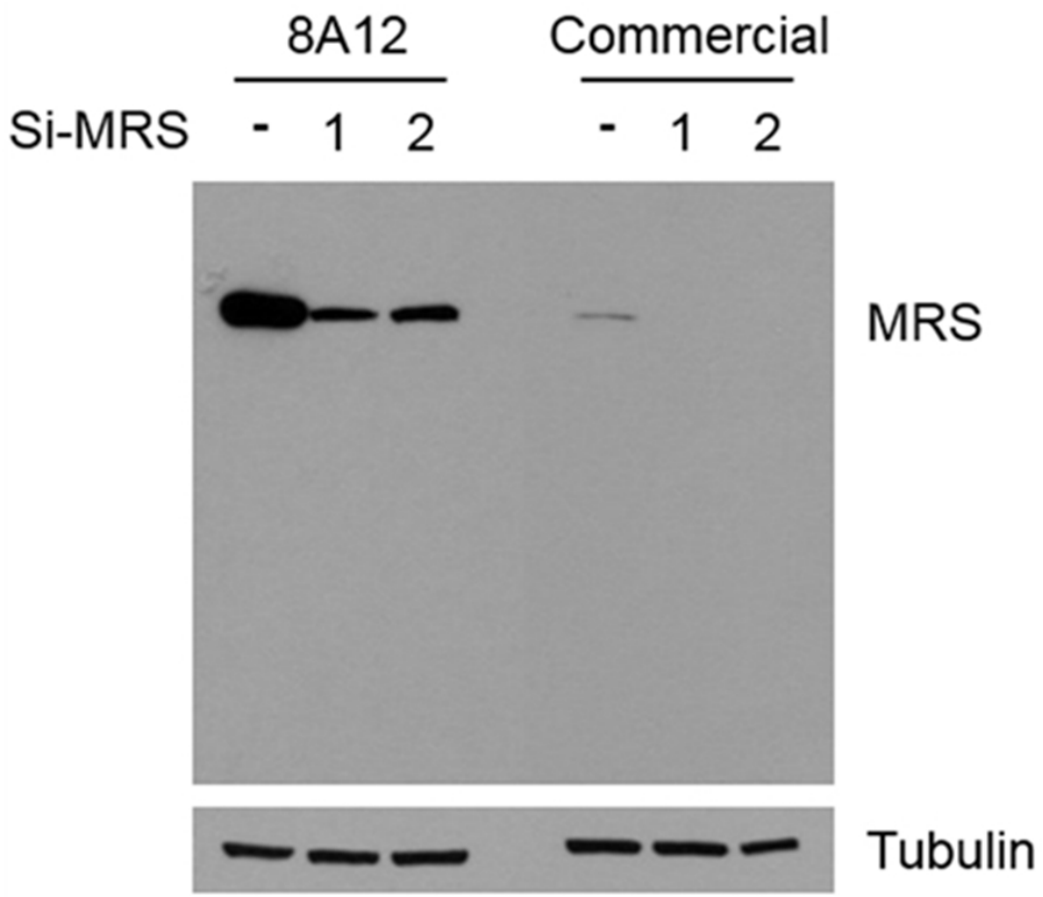


FIG. 2

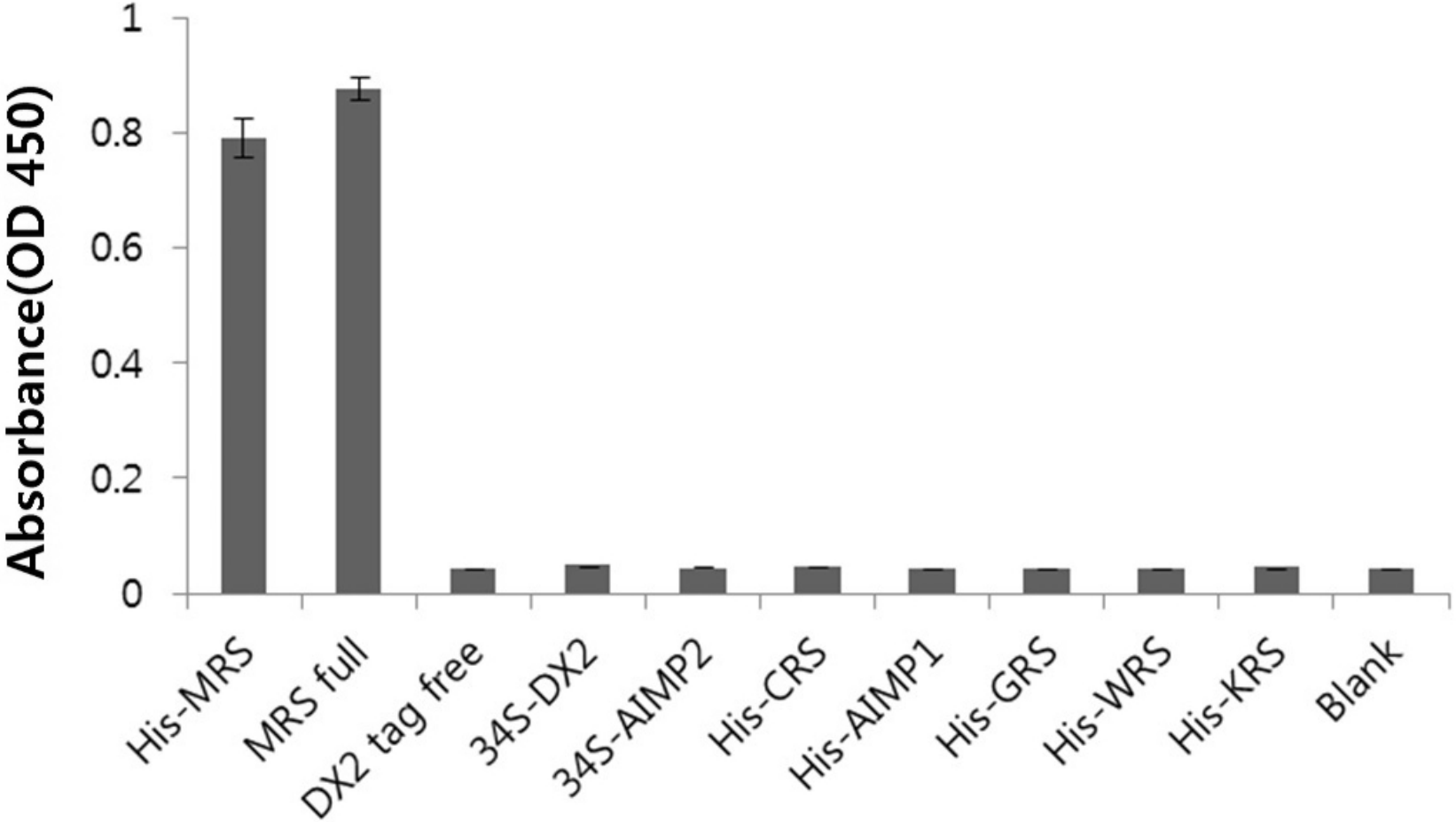
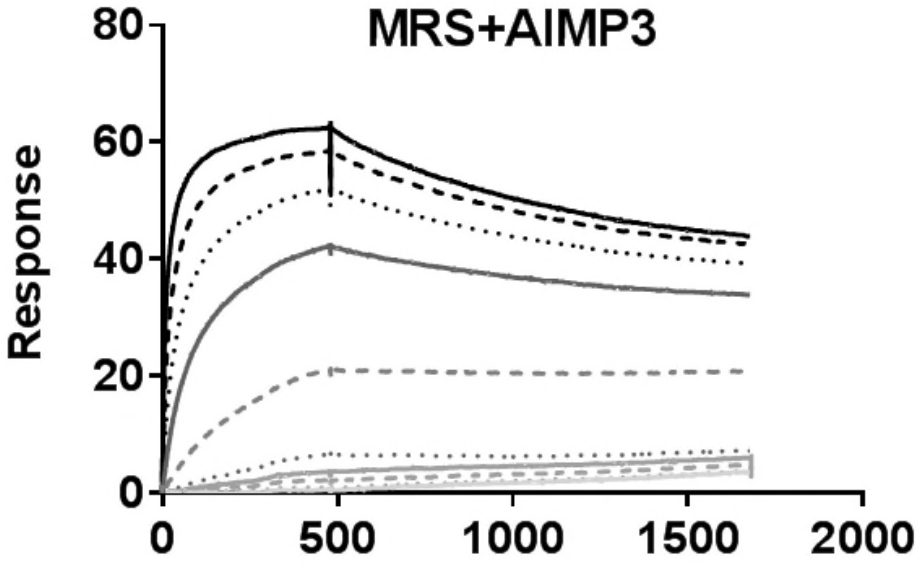

Absorbance(OD 450)
1
0.8
0.6
0.4
0.2
0
His-MRS
MRS full
DX2 tag free
34S-DX2
34S-AIMP2
His-CRS
His-AIMP1
His-GRS
His-WRS
His-KRS
Blank

FIG. 3



0.39 nM
0.78 nM
1.56 nM
3.13 nM
6.25 nM
12.5 nM
25 nM
50 nM
100 nM
200 nM

ka (1/Ms)	1.37E+05
kd (1/s)	2.13E-04
KD (M)	1.56E-09
Rmax (RU)	55.33
Chi^2 (RU^2)	6.54
U-value	7

FIG. 4

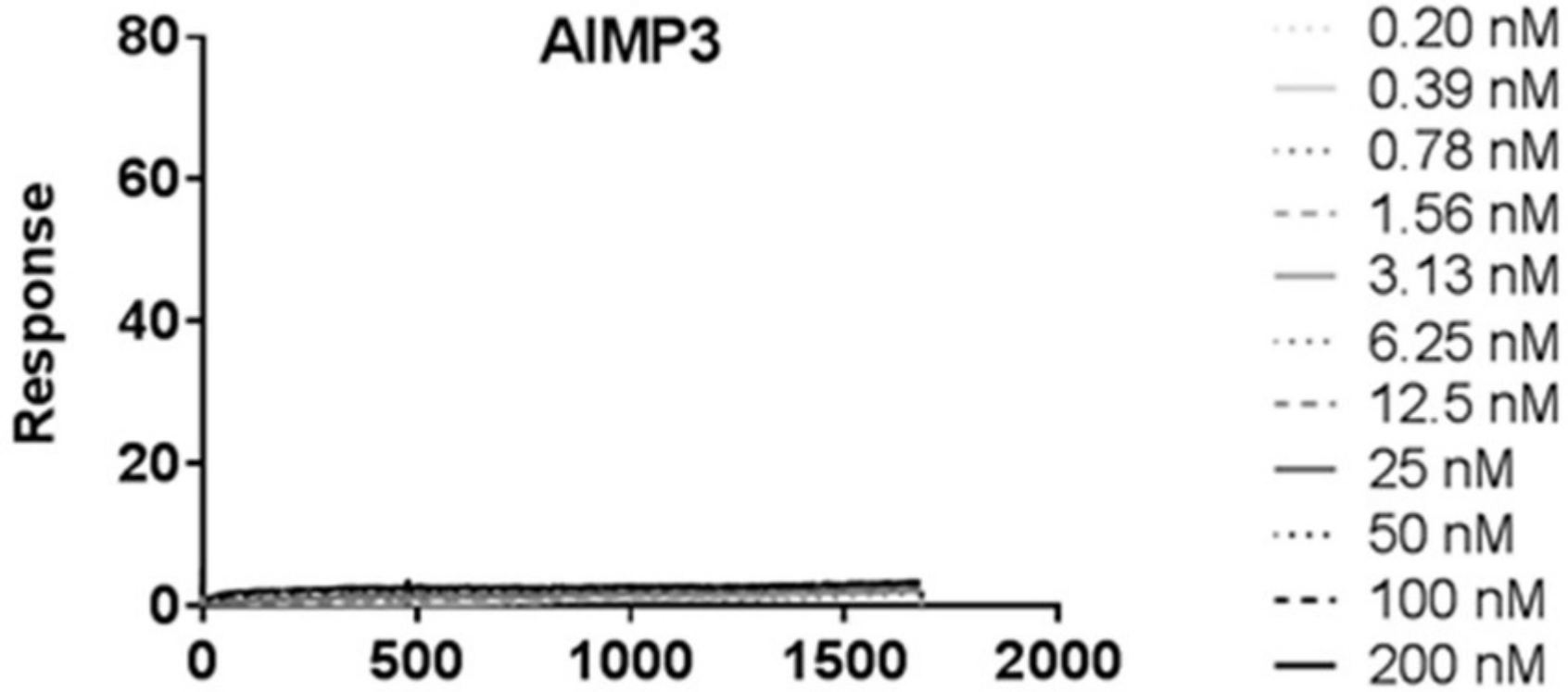

AIMP3
Response
80
60
40
20
0
0
500
1000
1500
2000
0.20 nM
0.39 nM
0.78 nM
1.56 nM
3.13 nM
6.25 nM
12.5 nM
25 nM
50 nM
100 nM
200 nM

FIG. 5

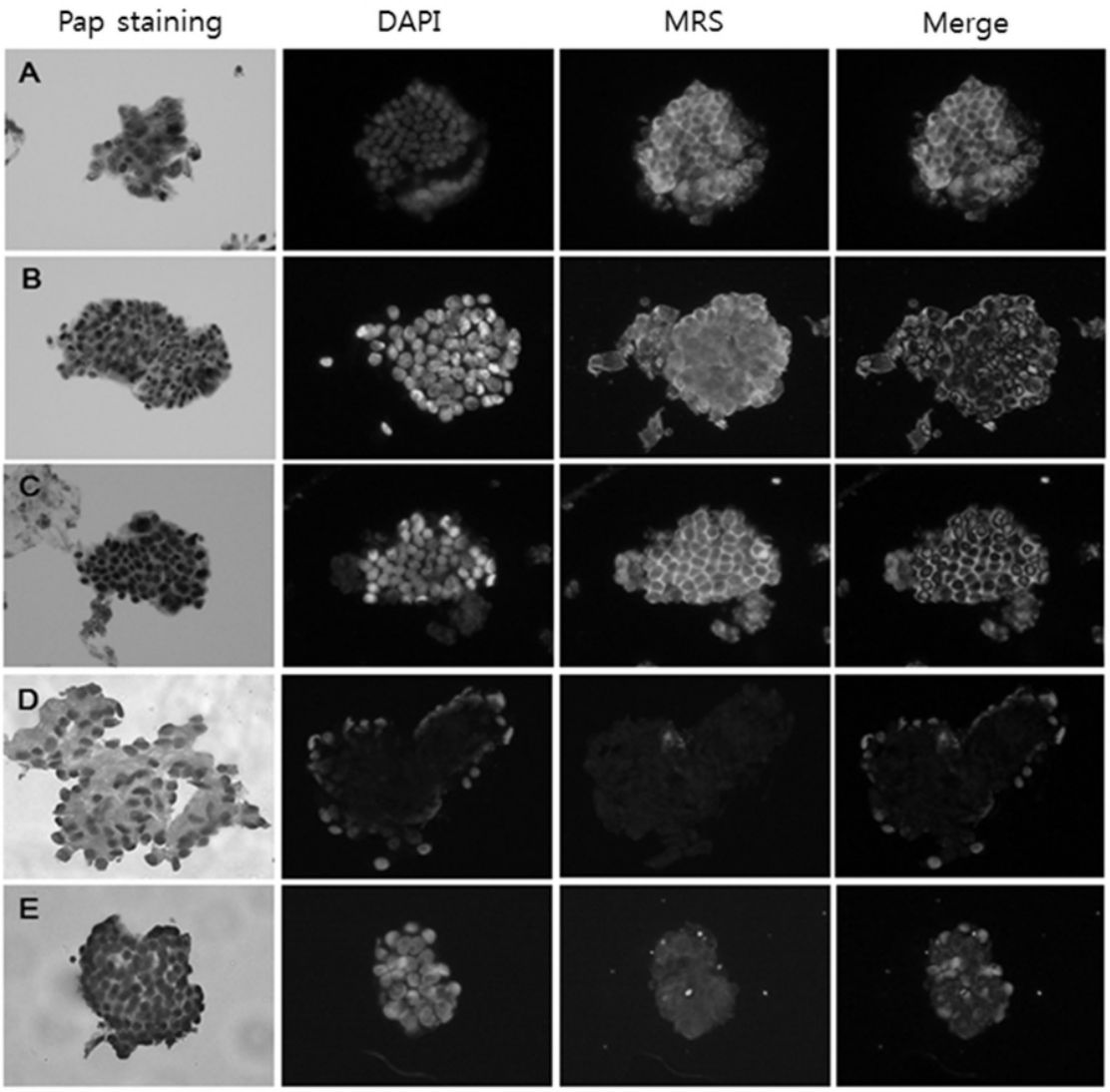


FIG. 6

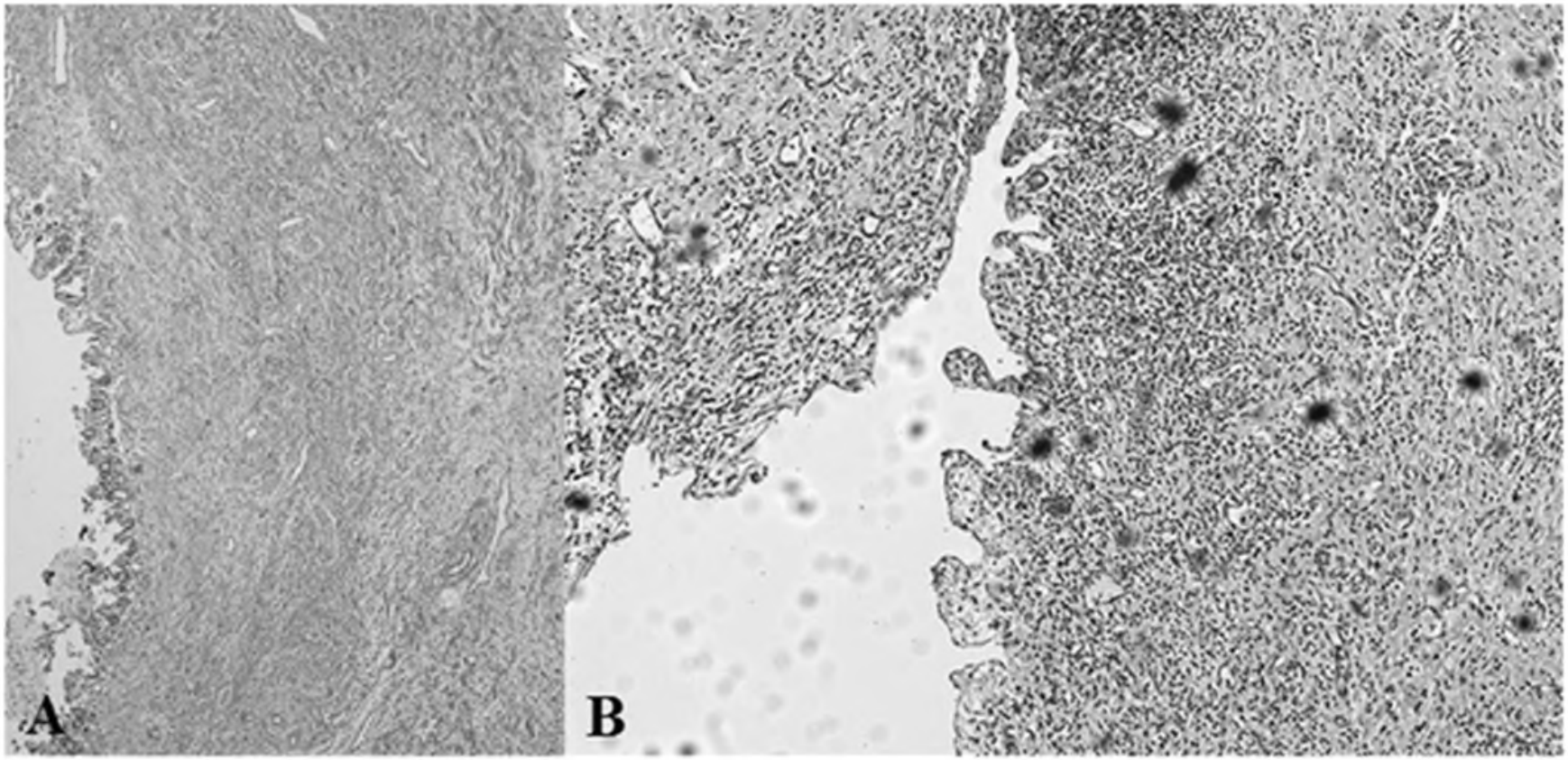


FIG. 7

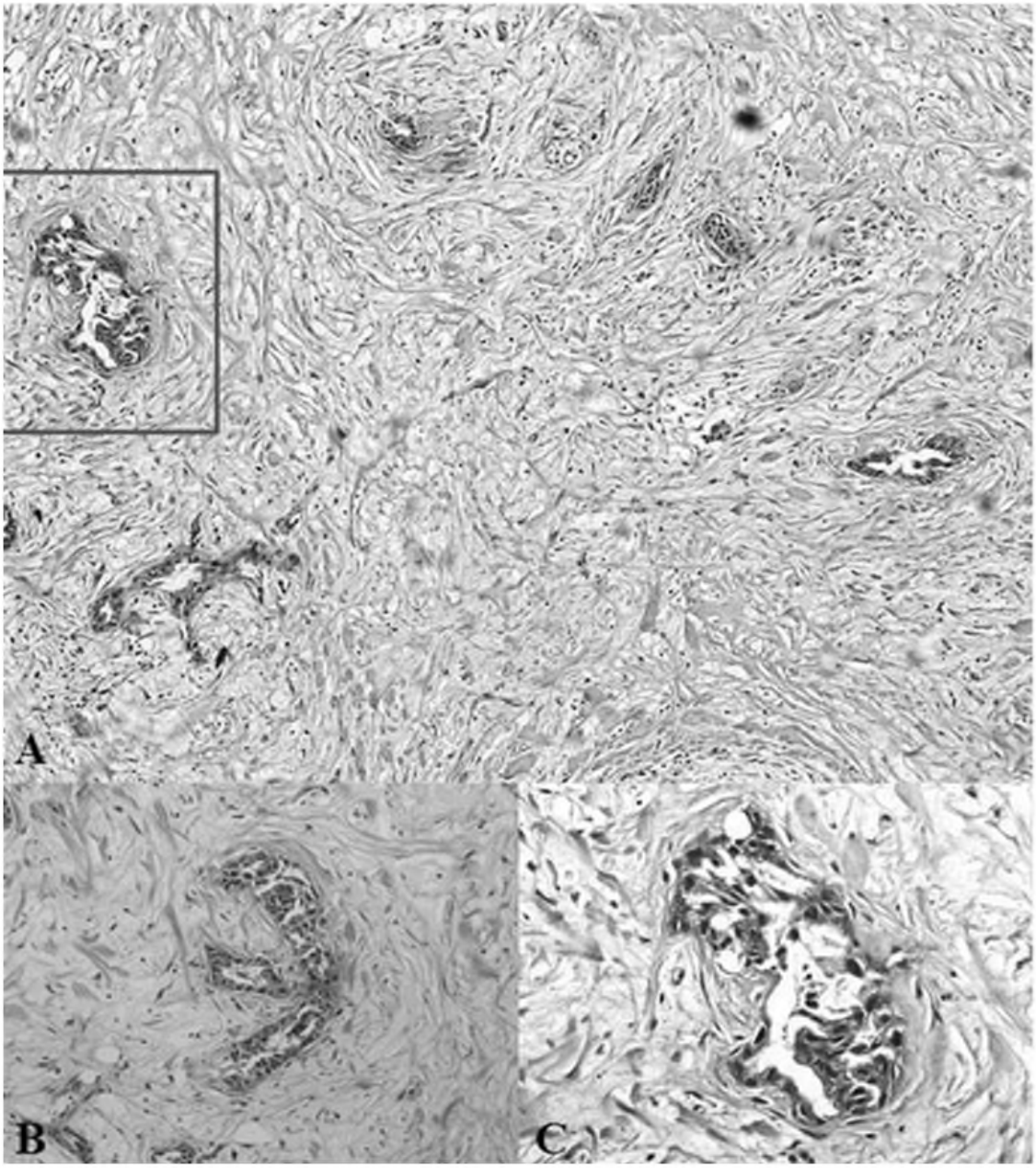
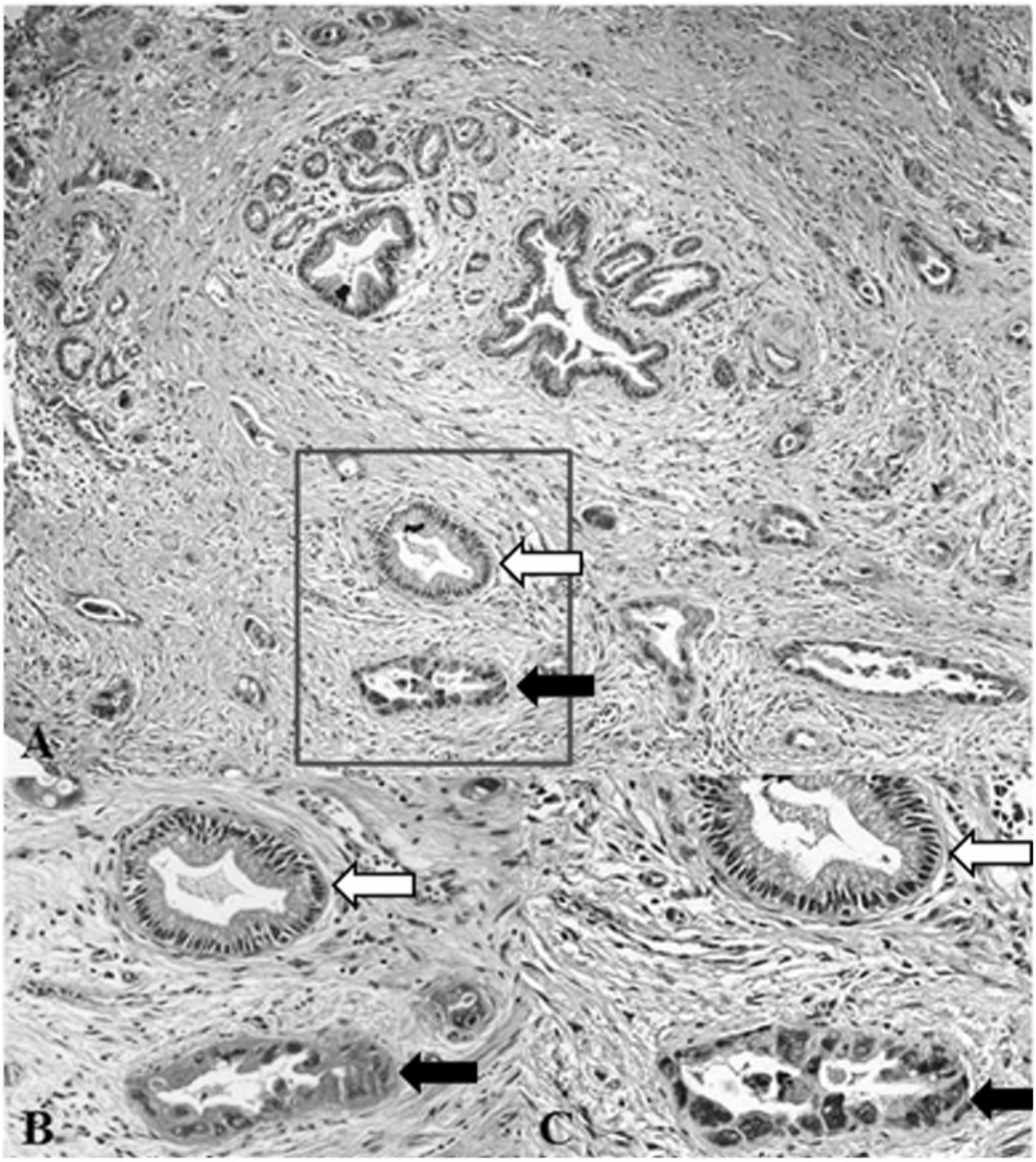



FIG. 8