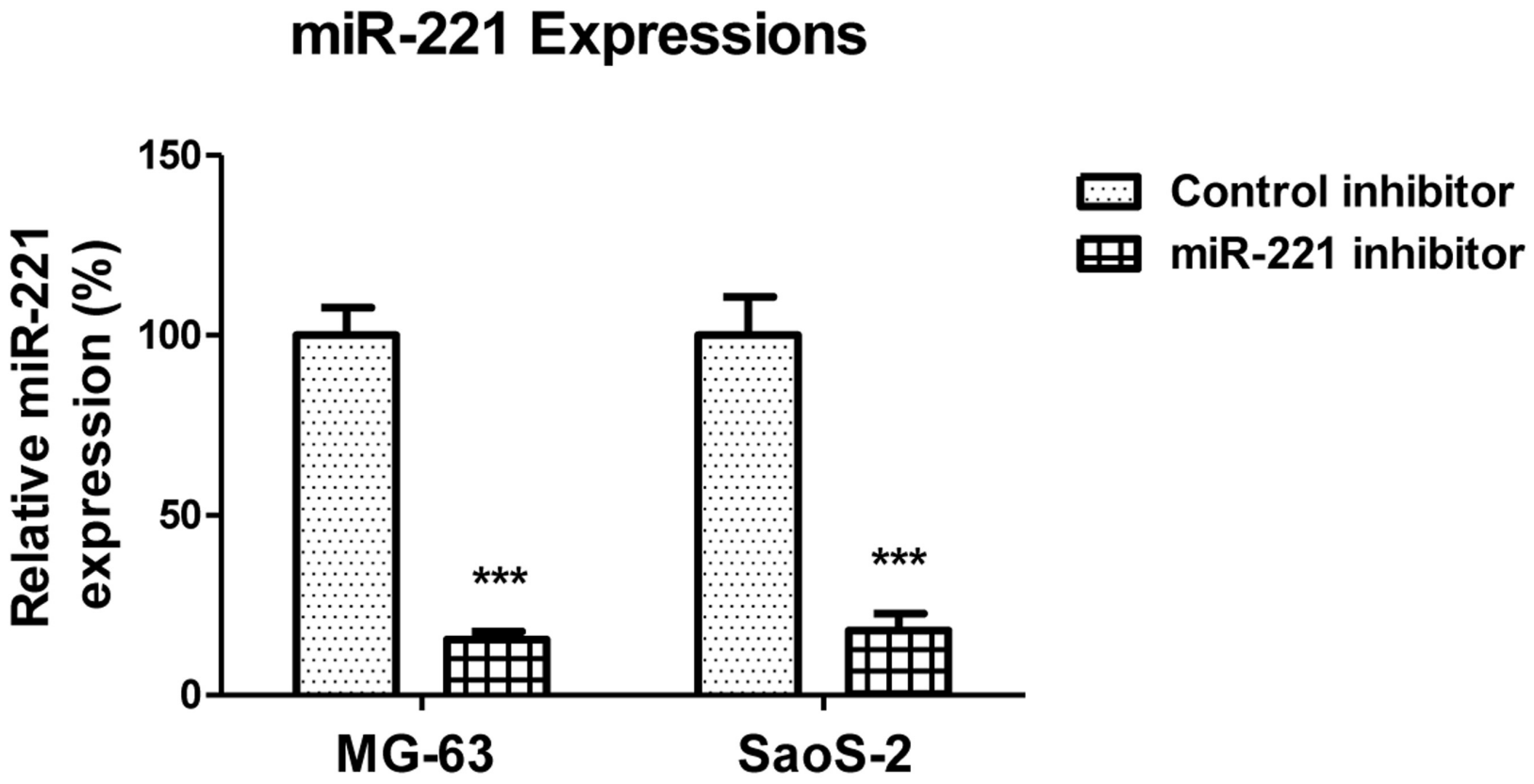
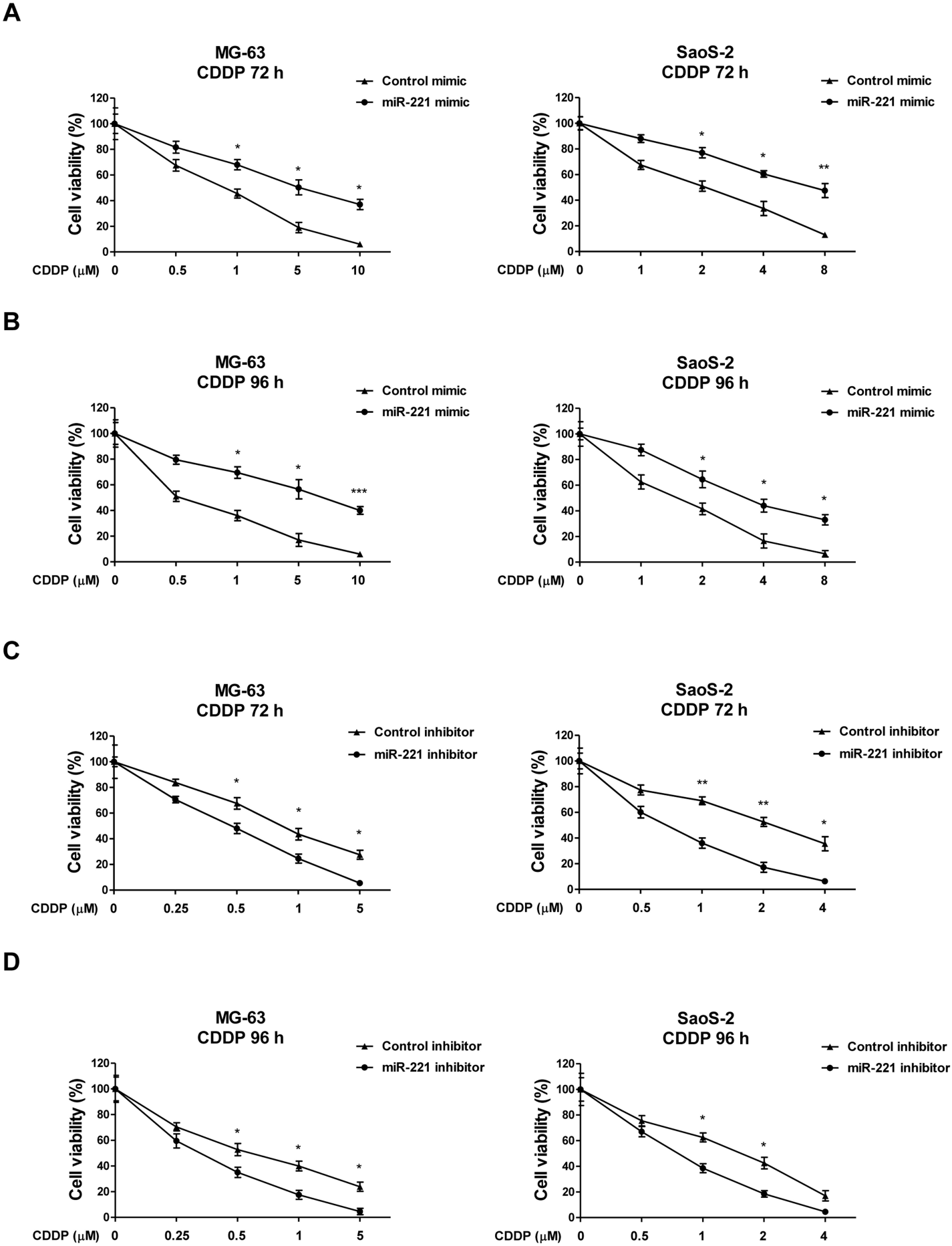
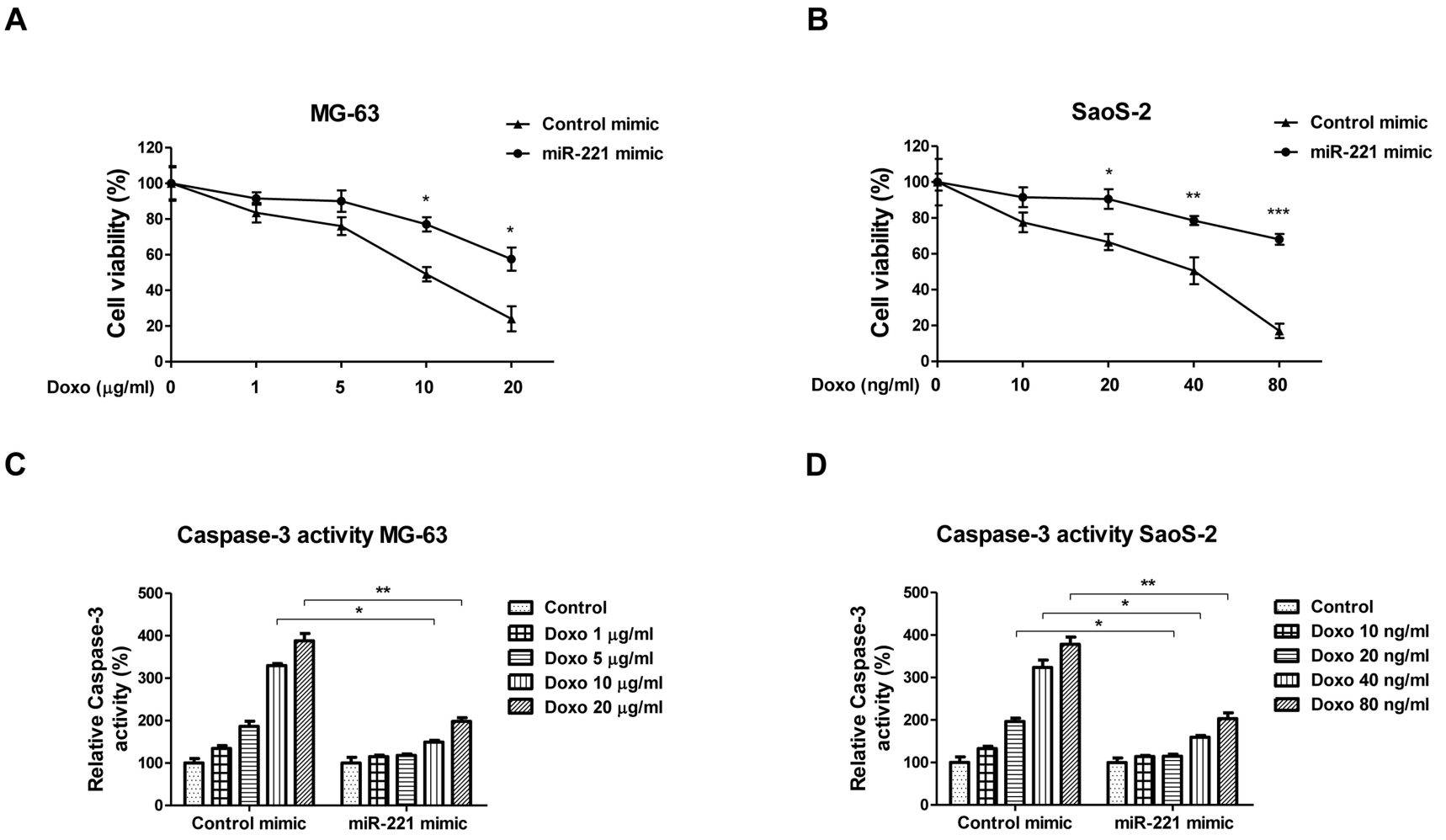

miR-221 Expressions
Relative miR-221 expression (%)
150
100
50
0
***
***
MG-63
SaoS-2
Control inhibitor
miR-221 inhibitor


A
MG-63
CDDP 72 h
Control mimic
miR-221 mimic
Cell viability (%)
CDDP (μM) 0 0.5 1 5 10
SaoS-2
CDDP 72 h
Control mimic
miR-221 mimic
Cell viability (%)
CDDP (μM) 0 1 2 4 8
B
MG-63
CDDP 96 h
Control mimic
miR-221 mimic
Cell viability (%)
CDDP (μM) 0 0.5 1 5 10
SaoS-2
CDDP 96 h
Control mimic
miR-221 mimic
Cell viability (%)
CDDP (μM) 0 1 2 4 8
C
MG-63
CDDP 72 h
Control inhibitor
miR-221 inhibitor
Cell viability (%)
CDDP (μM) 0 0.25 0.5 1 5
SaoS-2
CDDP 72 h
Control inhibitor
miR-221 inhibitor
Cell viability (%)
CDDP (μM) 0 0.5 1 2 4
D
MG-63
CDDP 96 h
Control inhibitor
miR-221 inhibitor
Cell viability (%)
CDDP (μM) 0 0.25 0.5 1 5
SaoS-2
CDDP 96 h
Control inhibitor
miR-221 inhibitor
Cell viability (%)
CDDP (μM) 0 0.5 1 2 4


A
MG-63
Control mimic
miR-221 mimic
Cell viability (%)
120
100
80
60
40
20
0
Doxo (μg/ml) 0
1
5
10
20
*
*
B
SaoS-2
Control mimic
miR-221 mimic
Cell viability (%)
120
100
80
60
40
20
0
Doxo (ng/ml) 0
10
20
40
80
*
**
***
C
Caspase-3 activity MG-63
Relative Caspase-3 activity (%)
500
400
300
200
100
0
Control mimic
miR-221 mimic
**
*
Control
Doxo 1 μg/ml
Doxo 5 μg/ml
Doxo 10 μg/ml
Doxo 20 μg/ml
D
Caspase-3 activity SaoS-2
Relative Caspase-3 activity (%)
500
400
300
200
100
0
Control mimic
miR-221 mimic
**
*
*
Control
Doxo 10 ng/ml
Doxo 20 ng/ml
Doxo 40 ng/ml
Doxo 80 ng/ml