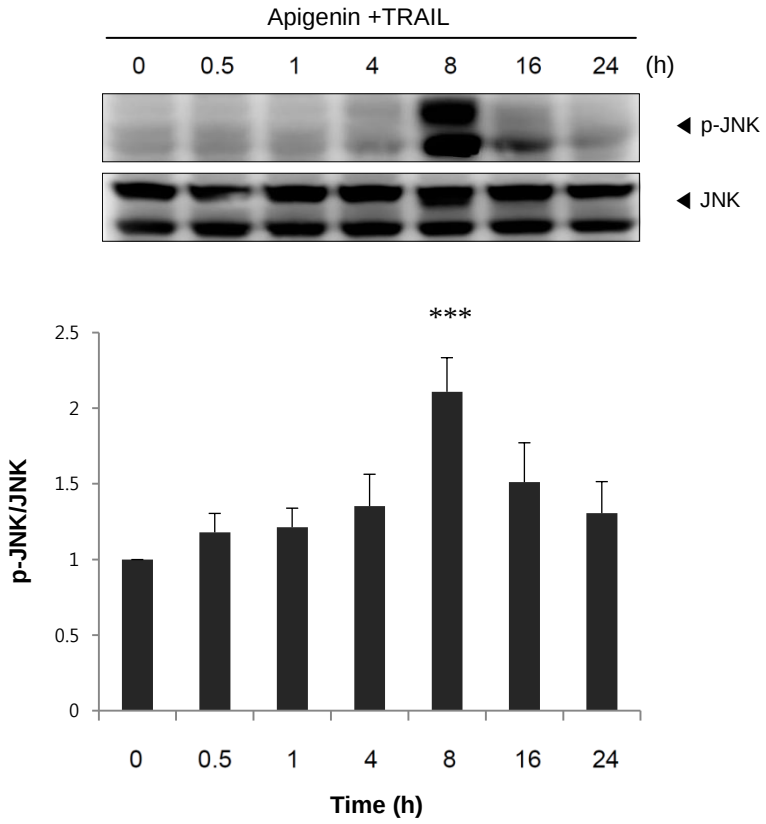
Fig. S1

A


Apigenin +TRAIL
0
0.5
1
4
8
16
24
(h)
◀ p-JNK
◀ JNK
***
p-JNK/JNK
2.5
2
1.5
1
0.5
0
0
0.5
1
4
8
16
24
Time (h)

B

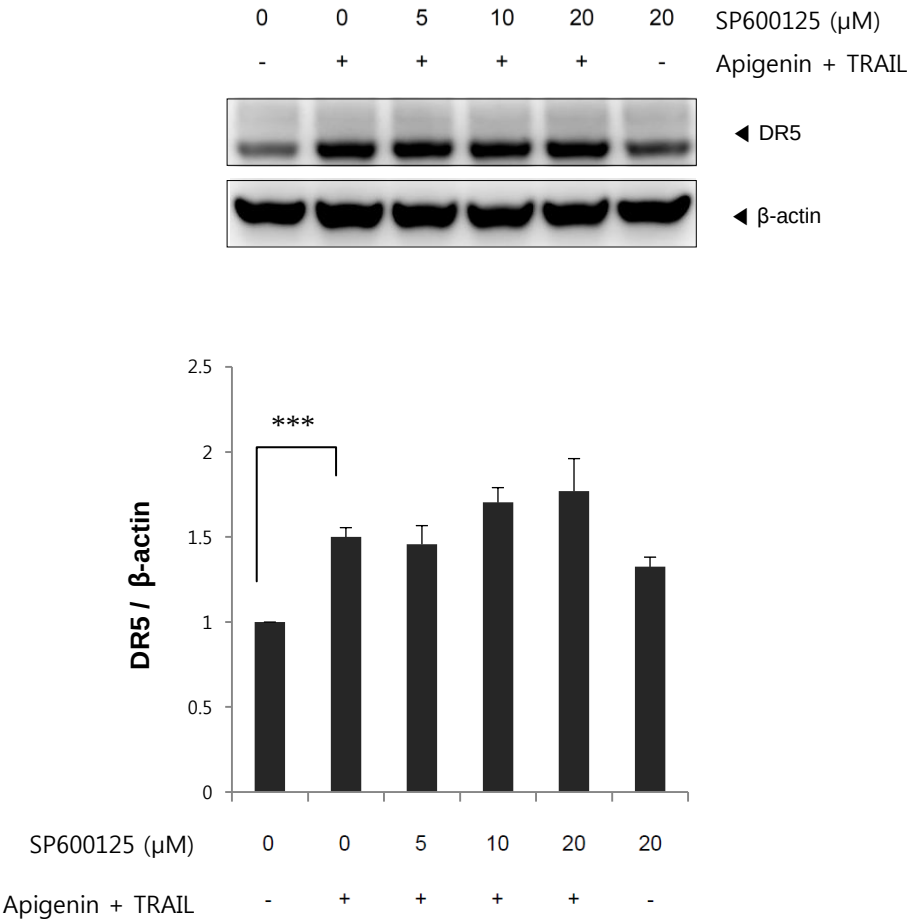
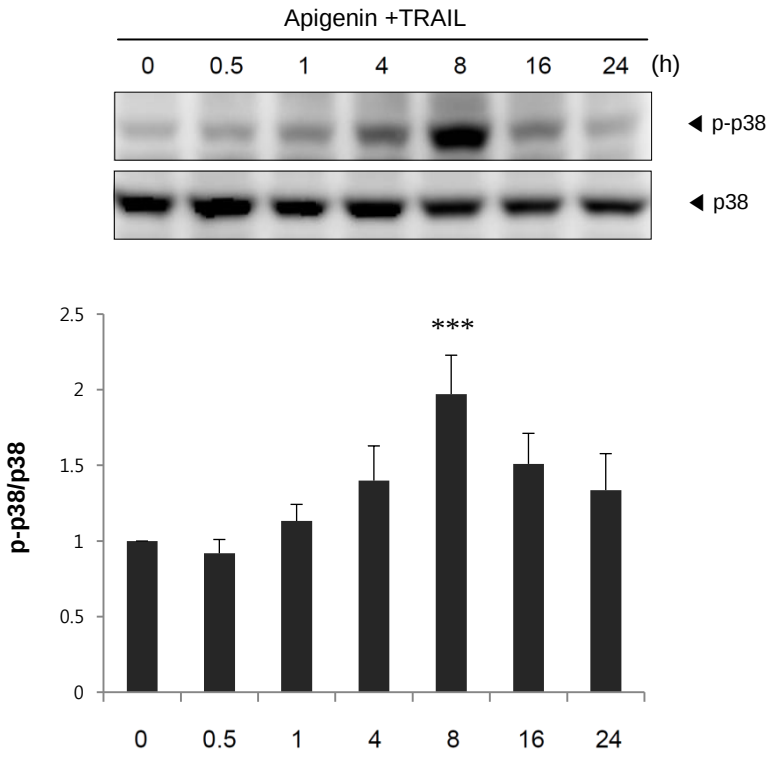
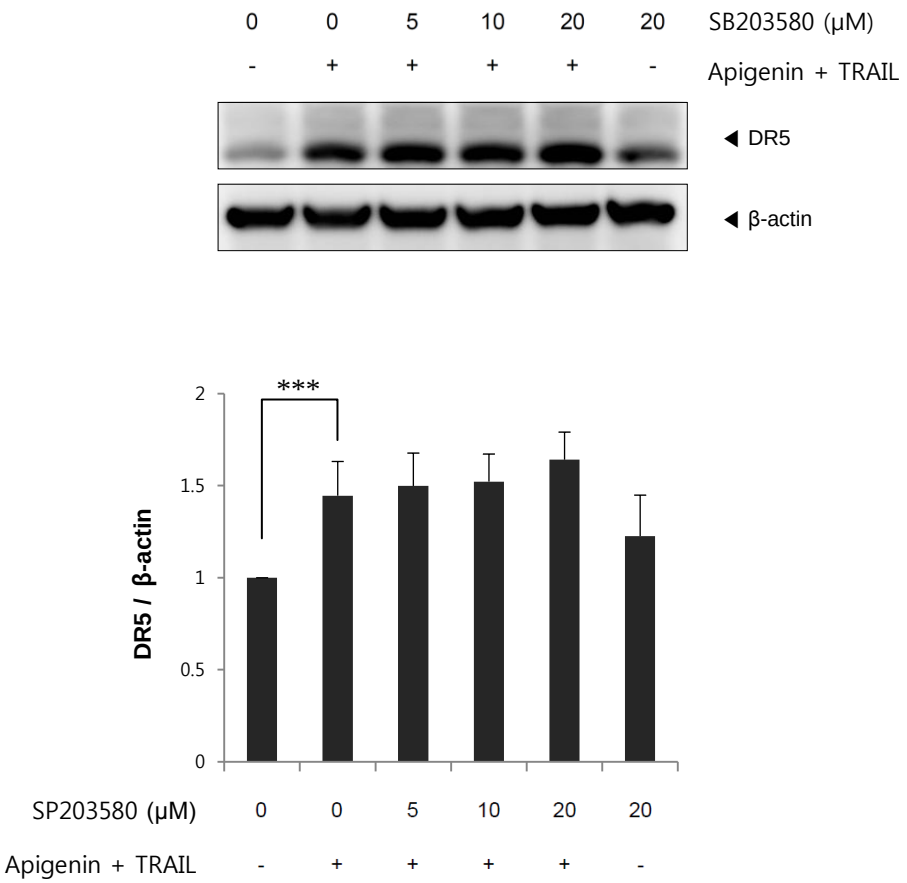

0 0 5 10 20 20 SP600125 (μM)
- + + + + - Apigenin + TRAIL
◀ DR5
◀ β-actin
DR5 / β-actin
2.5
2
1.5
1
0.5
0
***
SP600125 (μM) 0 0 5 10 20 20
Apigenin + TRAIL - + + + + -

Fig. S2

A


Apigenin +TRAIL
0
0.5
1
4
8
16
24
(h)
◀ p-p38
◀ p38
p-p38/p38
2.5
2
1.5
1
0.5
0
***
0
0.5
1
4
8
16
24

B


0 0 5 10 20 20 SB203580 (μM)
- + + + + - Apigenin + TRAIL
◀ DR5
◀ β-actin
***
DR5 / β-actin
2
1.5
1
0.5
0
SP203580 (μM) 0 0 5 10 20 20
Apigenin + TRAIL - + + + + -

Supplemental Figure legends

Figure S1. DR5 up-regulation induced by apigenin/TRAIL is not involved in JNK activation. (A) Time-course effects of apigenin/TRAIL on JNK phosphorylation. Cells were treated with apigenin (6 μg/ml) and TRAIL (5 ng/ml) for indicated times and cell extracts were prepared for western blotting. (B) Cells were pretreated with the indicated concentrations of SP600125 and treated with apigenin (6 μg/ml) and TRAIL (5 ng/ml) for another 24 h. Then cell lysates were evaluated by western blot analysis using anti-DR5 antibody. Protein band intensity was measured by image analyzer and presented as bar graphs. The bar represents the mean ± SD (n=3). Statistical significance: *** $p < 0.001$.

Figure S2. DR5 up-regulation induced by apigenin/TRAIL is not involved in p38 activation. (A) Time-course effects of apigenin/TRAIL on p38 phosphorylation. Cells were treated with apigenin (6 μg/ml) and TRAIL (5 ng/ml) for indicated times and cell extracts were prepared for western blotting. (B) Cells were pretreated with the indicated concentrations of SB203580 and treated with apigenin (6 μg/ml) and TRAIL (5 ng/ml) for another 24 h. Then cell lysates were evaluated by western blot analysis using anti-DR5 antibody. Protein band intensity was measured by image analyzer and presented as bar graphs. The bar represents the mean ± SD (n=3). Statistical significance: *** $p < 0.001$.