Figure S1

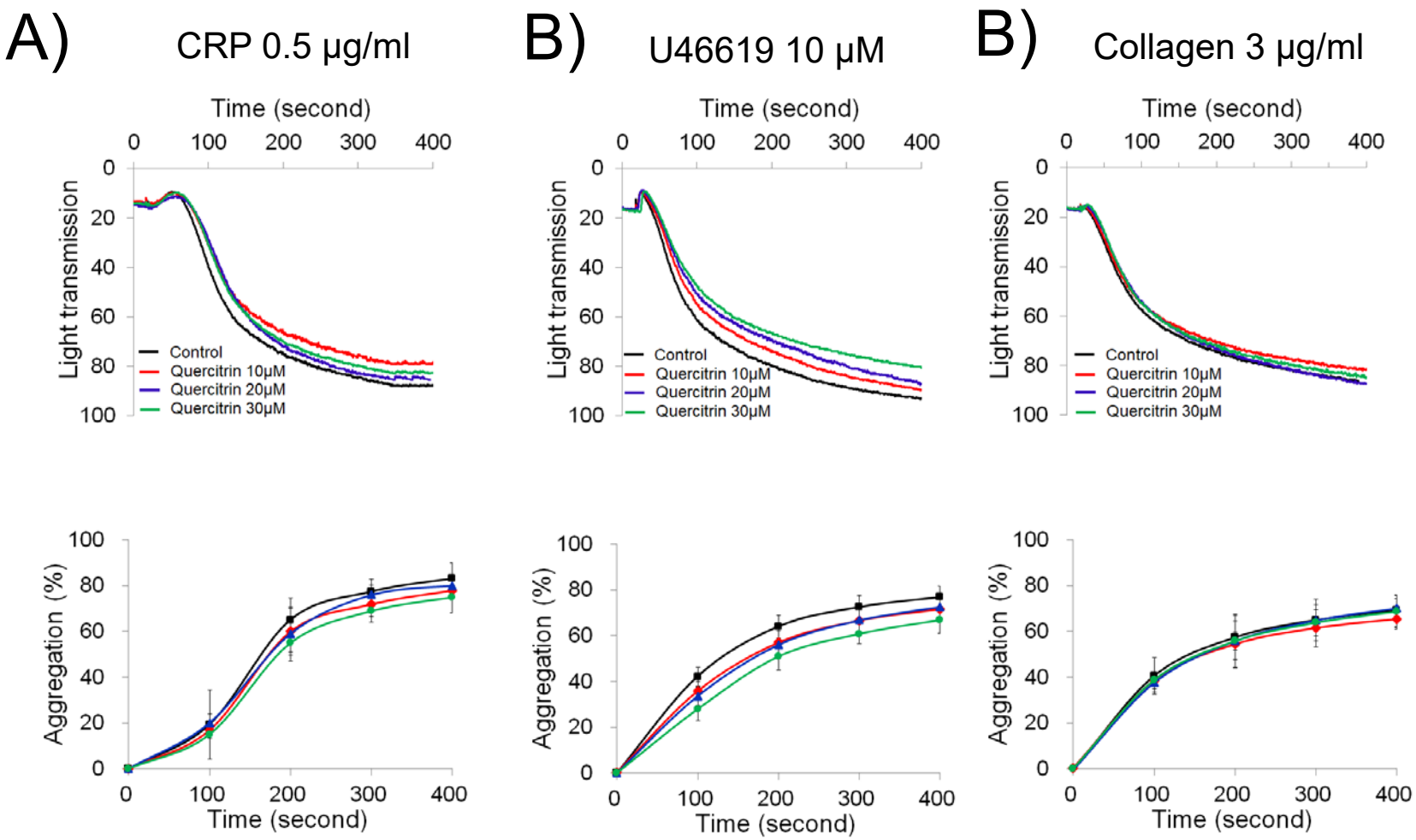

A)
CRP 0.5 μg/ml
B)
U46619 10 μM
B)
Collagen 3 μg/ml
Time (second)
Light transmission
Control
Quercitrin 10μM
Quercitrin 20μM
Quercitrin 30μM
Aggregation (%)
Time (second)

Figure S1. Role of quercitrin in human platelet aggregation induced by numerous agonists. Washed human platelets were preincubated with various concentrations of quercitrin (10, 20, and 30 μM) for 5 minutes at 37°C and then stimulated with 0.5 μg/ml CRP (A), 10 μM U46619 (B), and 3 μg/ml Collagen (C). The representative aggregation traces were obtained from three independent experiments. Data represent the mean ± SD (n = 3).

Figure S2

Mouse platelets

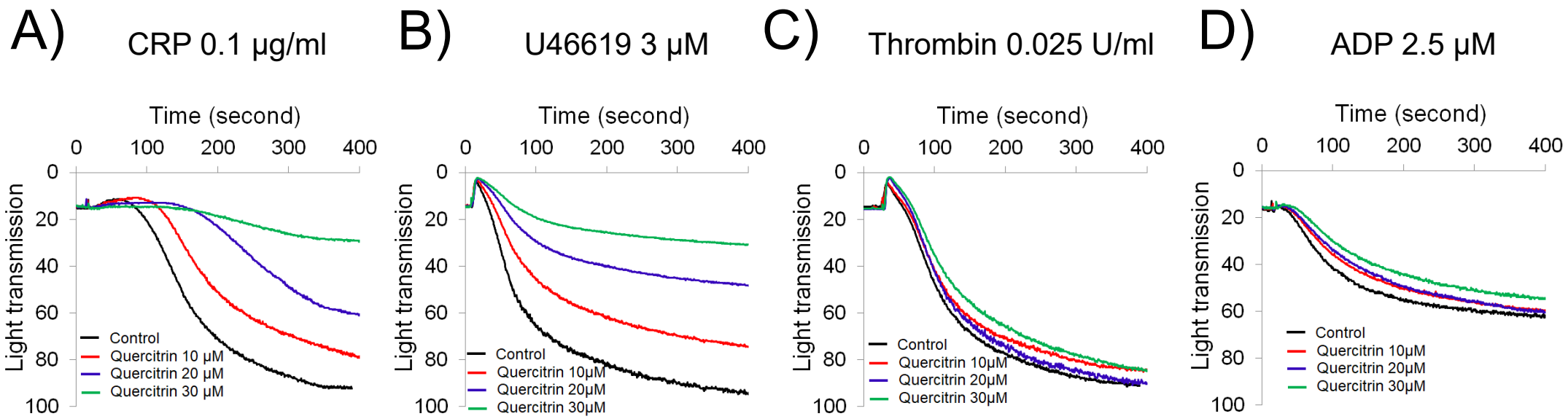


Figure S2. Role of quercitrin in mouse platelet aggregation induced by numerous agonists. Washed mouse platelets were preincubated with various concentrations of quercitrin (10, 20, and 30 μM) for 5 minutes at 37°C and then stimulated with 0.1 μg/ml CRP (A), 3 μM U46619 (B), 0.025 μg/ml Collagen (C), and 2.5 μM ADP (D). The representative aggregation traces were obtained from three independent experiments. Data represent the mean ± SD (n = 3).

Figure S3

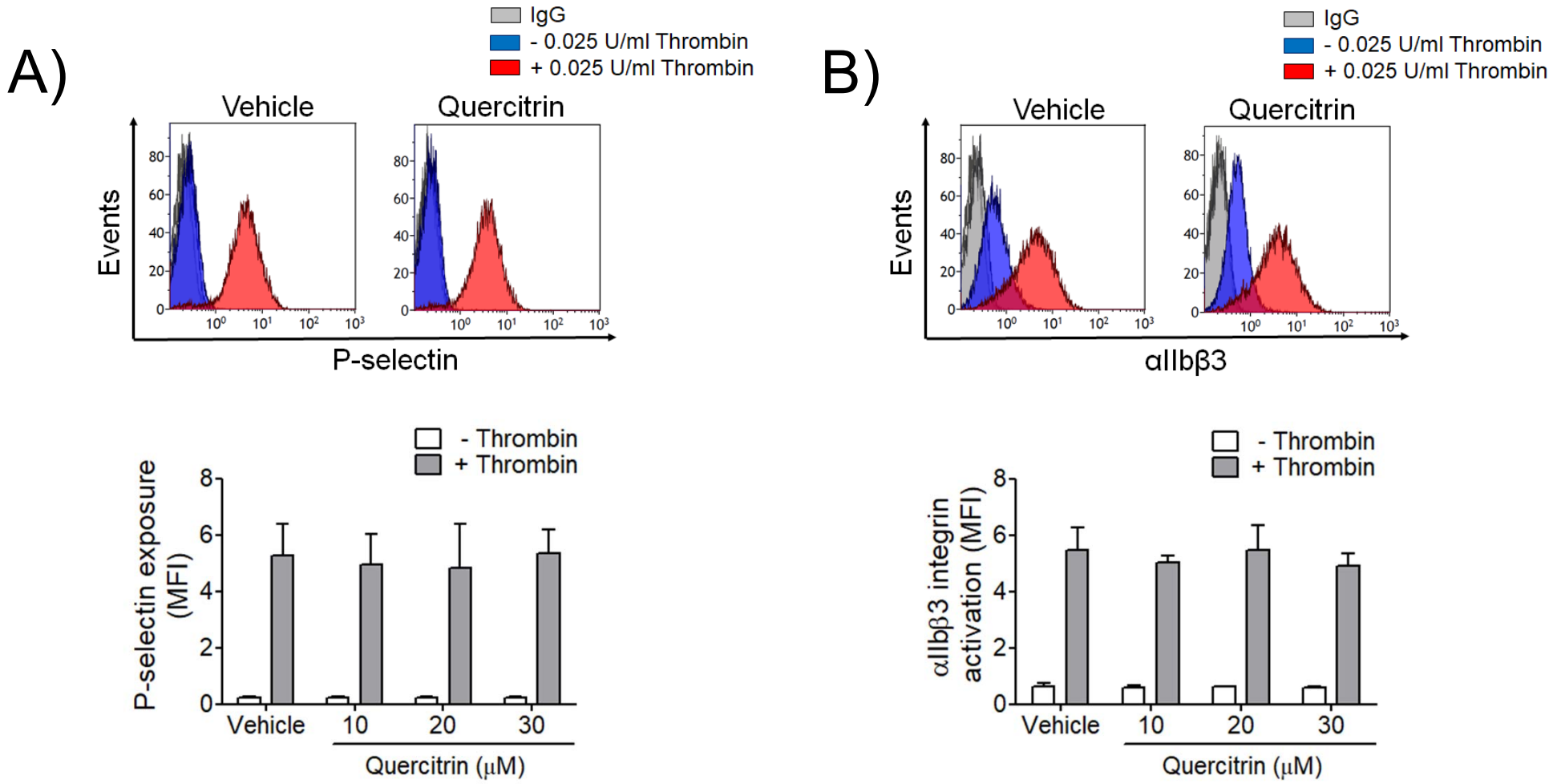
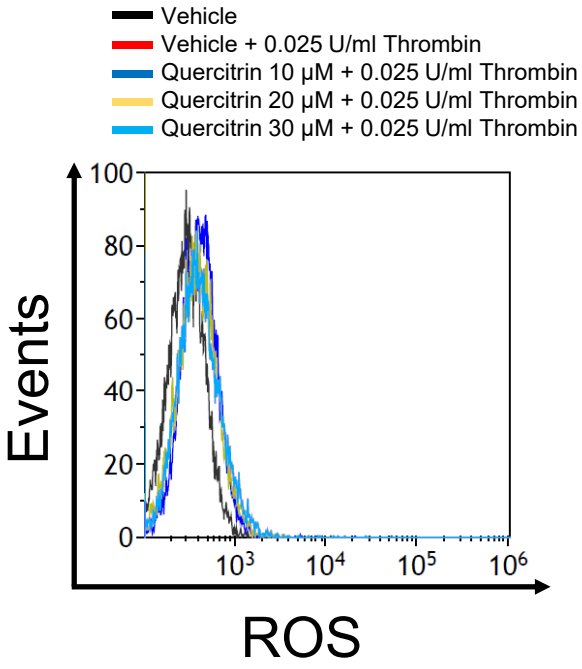

A)
IgG
- 0.025 U/ml Thrombin
+ 0.025 U/ml Thrombin
Vehicle
Quercitrin
Events
P-selectin
- Thrombin
+ Thrombin
P-selectin exposure (MFI)
Vehicle
10
20
30
Quercitrin (μM)
B)
IgG
- 0.025 U/ml Thrombin
+ 0.025 U/ml Thrombin
Vehicle
Quercitrin
Events
αIIbβ3
- Thrombin
+ Thrombin
αIIbβ3 integrin activation (MFI)
Vehicle
10
20
30
Quercitrin (μM)

Figure S3. αIIbβ3 integrin activation and P-selectin exposure in thrombin-activated quercitrin treated platelets. Quercitrin treated platelets were activated with 0.025 U/ml thrombin, and αIIbβ3 integrin activation (A) and P-selectin exposure (B) was measured by flow cytometry. Binding of anti-activated αIIbβ3 (JON/A) and anti-P-selectin antibodies to platelets was calculated by the ratio of the geometric mean fluorescence intensity (MFI) value of antibodies to that of control IgG. Data represent mean ± SD (n = 3).

Figure S4


Vehicle
Vehicle + 0.025 U/ml Thrombin
Quercitrin 10 μM + 0.025 U/ml Thrombin
Quercitrin 20 μM + 0.025 U/ml Thrombin
Quercitrin 30 μM + 0.025 U/ml Thrombin
Events
100
80
60
40
20
0
10^3
10^4
10^5
10^6
ROS

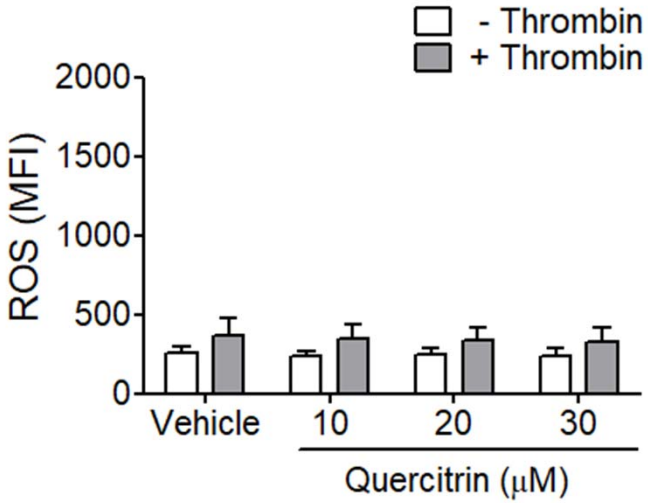

- Thrombin
+ Thrombin
ROS (MFI)
2000
1500
1000
500
0
Vehicle
10
20
30
Quercitrin (μM)

Figure S4. Intracellular H_2O_2 following thrombin stimulation in quercitrin treated platelets. Vehicle control (0.02% DMSO) and quercitrin (10, 20, and 30 μM) were incubated with H_2DCFDA and stimulated with 0.025 U/ml thrombin. DCF fluorescence was measured using flow cytometry and is quantified as mean ± SD (n = 3).