9. Supplementary materials

Reagent	Company	Catalog *No.*
Ketaset® (Ketamine 100 mg/ml)	Zoetis	365437
Rompun® (Xylazine 2%)	Bayer	770-081
Unfractionated heparin	Ratiopharm	25000
Clexane® (Enoxaparin Sodium)	Sanofi	00955644
Dulbecco's phosphate-buffered saline with calcium and magnesium (DPBS+/+)	ThermoFisher Scientific	14040091
Murine Protease-Activated Receptor-4 Agonist	AnaSpec	AS-60778
Phosflow™ Lyse/Fix Buffer 5X	BD Biosciences	558049
Antibody for mouse platelet depletion - GPIbα (CD42b) targeting antibody	Emfret	R300
Rat anti-mouse CD42b-DyLight 649	Emfret	M040-3
Mouse anti-mouse/rat CD62P-PE/Cy7	BioLegend	148310
Mouse IgG2a, k isotype-PE/Cy7	BioLegend	400254
SYTO™ 13 Green Fluorescent Nucleic Acid Stain - 5 mM	ThermoFisher Scientific	S7575

Supplementary Table 1: Comprehensive list of materials and reagents.
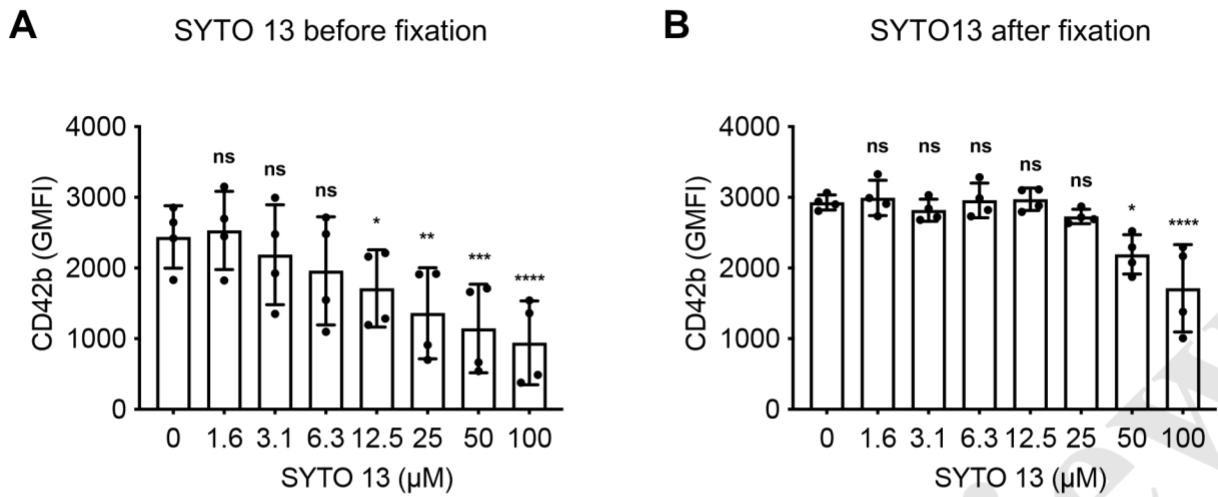
A SYTO 13 before fixation

B SYTO13 after fixation

Figure S1: Analysis of glycoprotein Ib (CD42b) expression on the surface of platelets stained with SYTO 13, in unfixed and fixed resting states.

Figure S1: Analysis of glycoprotein Ib (CD42b) expression on the surface of platelets stained with SYTO 13, in unfixed and fixed resting states. The surface expression of glycoprotein Ib (CD42b) on platelets was determined in anticoagulated blood (1:10 diluted) following incubation with PBS (0 µM) or different SYTO 13 concentrations (ranging from 1.6 - 100 µM) for 15 min before (**A**, n=4), or after (**B**, n=4) fixation using flow cytometry. Anti-CD42b-DyLight 649 was added after fixation. Results are presented as mean ± SD. Statistical analysis was performed using repeated measures one-way analysis of variance with Bonferroni multiple comparison test (*versus* PBS). *p<0.05; **p<0.01; ***p<0.001; ****p<0.0001; ns, not significant; GMFI, geometric mean fluorescence intensity.

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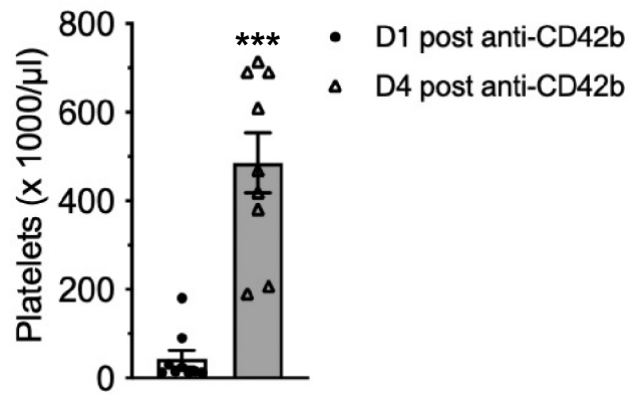10
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Figure S2: Platelet counts in mice treated with anti-CD42b on day 1 and day 4 following the treatment.

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Figure S2: Platelet counts in mice treated with anti-CD42b on day 1 and day 4 following the treatment. Platelet counts were measured in tail vein blood using Sysmex automated hematology analyzer on day 1 and day 4 following a single subcutaneous injection of 1 µg/g body weight of the platelet-depletion antibody R300 (anti-CD42b, Emfret, n=9). Results are presented as mean ± SD. Statistical analysis was performed using paired t-test. ***p<0.001. D1, day 1; D4, day 4.