Electronic Supplementary Material (ESI) for Analytical Methods

Measuring P2X1 Receptor Activity in Washed Platelets in the Absence of Exogenous Apyrase

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Figure S1.

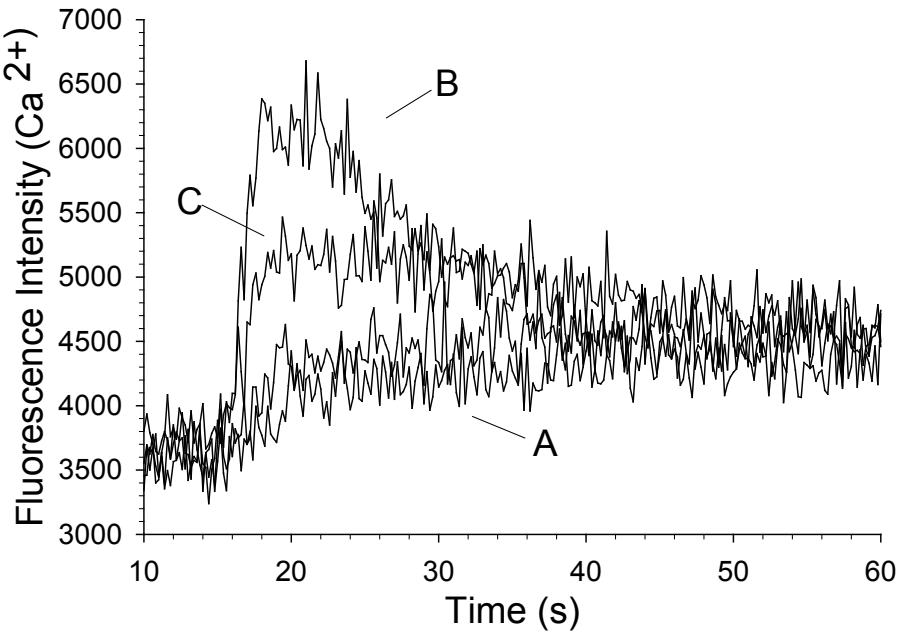

Fig. S1 Overcoming NF449 inhibition using 10 μM ATP. As the concentration of NF449 exceeds 0.5 μM, inhibition of Ca^{2+} influx occurs when 2.5 μM ATP is added to 20 and 40 μM NF449 platelet samples (traces A). When 10 μM ATP is added, the NF449 inhibition is overcome and Ca^{2+} influx occurs in 20 and 40 μM NF449 platelet samples, traces B and C, respectively.

Figure S2.

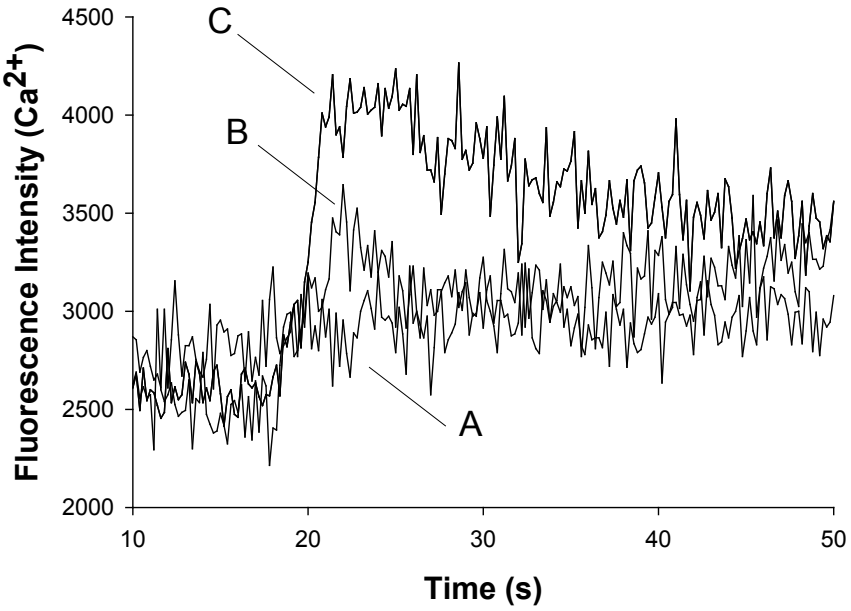

Fig S2. NF449 a more effective P2X sensitizer than apyrase. When CaMTB is added to platelets that were resuspended with 0.5 U/mL apyrase no Ca^{2+} influx is observed (trace A). However, when 2.5 μM ATP is added to the platelets containing apyrase (trace B) a Ca^{2+} influx does occur, though the Ca^{2+} increase from 2.5 μM ATP in the presence of 2.5 NF449 μM is more prominent (trace C).