

from hiPSCs. Figs. S3 and S4 show the time courses of MK generation. Fig. S5 shows the time course of platelet generation. Fig. S6 depicts the representative dot plots of PB-derived and hiPSC-derived platelets. Fig. S7 describes the time-dependent change of exogenous and endogenous c-MYC expression in hESCs and hiPSCs. Fig. S8 shows the in vitro functionality of iPSC platelets. Video 1 shows a typical proplatelet formation. Video 2 demonstrates in vivo imaging of circulating iPSC platelets. Videos 3–5 demonstrate in vivo imaging of iPSC platelet or platelets in thrombi by laser-induced vessel wall injury. Table S1 is a list of primers used in this study. Online supplemental material is available at <http://www.jem.org/cgi/content/full/jem.20100844/DC1>.

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