Supplementary Figure legends:

**Figure S1. Plasma VWF (% compared with WT mice) level.** *Vwf*-/ mouse were infused intravenously with 150 µl citrated WT plasma and VWF levels were measured by ELISA at 1, 4 and 24 hours. N=3 at each time point.

**Figure S2. VWF neutralization by anti-VWF antibodies increases bleeding time in WT and *Adams13*+/- mice.** Tail-bleeding time measurements show significantly increased bleeding in anti-VWF Ig-treated mice WT or *Adams13*+/- compared with control Ig-treated mice WT or *Adams13*+/- after 30 minutes of ischemia and 23.5 hours of reperfusion. N=7-9 /group.
Figure S1

Plasma VWF level (%) vs. Time (hours)

- Time: 0, 1, 4, 24 hours
- Plasma VWF level: 16, 10, 2, 0%
Figure S2

Bleeding time (min)

Control   Anti-VWF   Control   Anti-VWF
WT

WT

Adams13⁻/⁻

P < .001

P < .001