**Supplementary information**

Supplementary Table 1: Association constant and dissociation constant of anti-fibrin antibodies

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| **Clone No.** | **ka (1/Ms)** | **kd (1/s)** |
| 99 | 1.593×104 | 1.396×10-3 |
| 1101 | 2.504×104 | 8.917×10-3 |
| 443 | 1.075×104 | 7.016×10-4 |
| 102-10 | 1.453×104 | 3.545×10-3 |