

Supplementary data

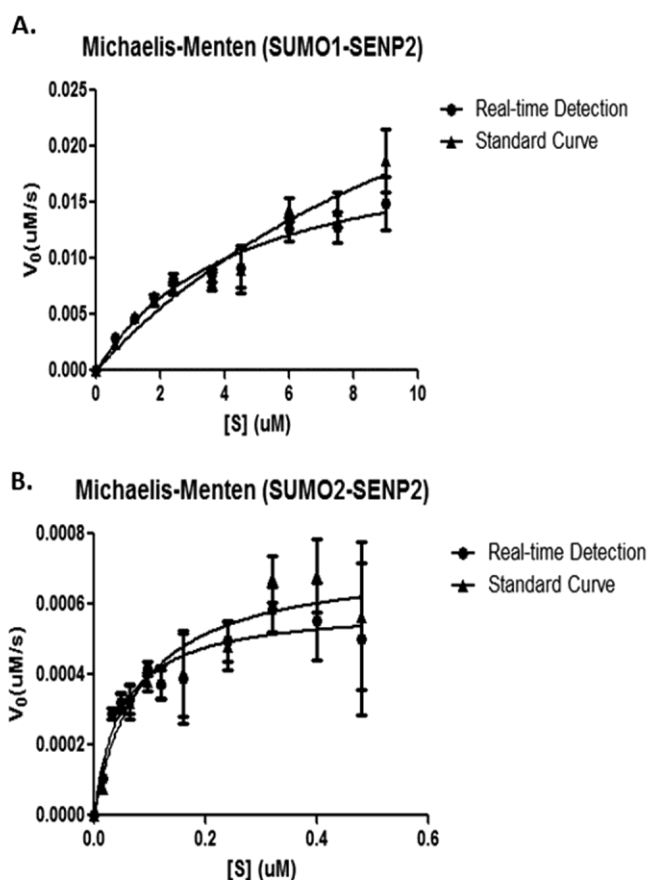


Figure S1. Comparison of Michaelis-Menten curves of pre-SUMO1 and 2 cleaved by SENP2 from the real-time detection and the standard curve method.

A. The Michaelis-Menten curves of pre-SUMO1 cleaved by SENP2. B. The Michaelis-Menten curves of pre-SUMO2 cleaved by SENP2. **In each condition, three samples were measured.**

Table S1. k_{cat}/K_M of SENP2 for SUMO1,2 analyzed by standard curve method. In each condition, three samples were measured.

	K_M (μM)	k_{cat} (s^{-1})	k_{cat}/K_M ($\text{M}^{-1}\cdot\text{s}^{-1}$)
SUMO1-SENP2	13.96 ± 6.74	7.44 ± 2.49	$(5.33 \pm 3.13) \times 10^5$
SUMO2-SENP2	0.081 ± 0.023	4.83 ± 0.45	$(5.93 \pm 1.78) \times 10^7$