

TABLE I
Kinetic parameters of C3 hydrolysis by the CVF-dependent C3 convertase

Kinetic parameters	Temperature ^a			
	37 °C	30 °C	20 °C	10 °C
K_m (M)	$1.16 \pm 0.11 \times 10^{-5}$	$1.44 \pm 0.32 \times 10^{-5}$	$1.76 \pm 0.13 \times 10^{-5}$	$2.64 \pm 1.05 \times 10^{-5}$
Turnover number	28.3 ± 7.1	22.0 ± 6.6	12.1 ± 2.8	6.4 ± 0.4
k_{cat} (s ⁻¹)	0.47	0.37	0.20	0.11
k_{cat}/K_m (s ⁻¹ ·M ⁻¹)	4.05×10^4	2.57×10^4	1.14×10^4	0.42×10^4
Specific activity (nkat·mg ⁻¹)	2.24	1.74	1.12	0.50
Catalytic cycle time (s)	2.1	2.7	5.0	9.1
$k_0 = \frac{k_{cat} \cdot [E_t]}{K_m}$ (s ⁻¹)	1.16×10^{-3}	9.17×10^{-4}	8.14×10^{-4}	1.20×10^{-3}
$k_0 = \frac{v}{[S]}$ (s ⁻¹)	$1.06 \pm 0.23 \times 10^{-3}$	$8.41 \pm 1.80 \times 10^{-4}$	$8.42 \pm 2.19 \times 10^{-4}$	$1.17 \pm 0.48 \times 10^{-3}$

^a Number of experiments performed: 37 °C, 6; 30 °C, 3; 20 °C, 2; 10 °C, 4.