

Table 2. Comparison of kinetic constants for phosphorylation by protein kinase C

Substrate	$k_{\text{cat}}, \text{s}^{-1}$	$K_{\text{m}}, \mu\text{M}$	Catalytic efficiency, $\mu\text{M}^{-1}\cdot\text{s}^{-1}$
ADAP peptide(645–661)			
Experiment 1	9.7	138	0.070
Experiment 2	9.6	126	0.076
87-kDa protein			
Experiment 1	7.2	0.8	9.0
Experiment 2	7.6	0.4	19.0
[Ala ¹⁰⁵]MBP(104–118)			
Experiment 1	1.4	2.2	0.64
Experiment 2	2.3	4.1	0.56
ADAP peptide(668–683)	—	>1000	—

Catalytic efficiency, $k_{\text{cat}}/K_{\text{m}}$; MBP, myelin basic protein.