

Table S1 Kinetic parameters of surface plasmon resonance analysis in Figure 5.

Panel	Ligand	Analyte	k_a (1/Ms)	SEM (k_a)	% SEM (k_a)/ k_a	k_d (1/s)	SEM (k_d)	% SEM (k_d)/ k_d	KD (μ M)	χ^2
b	CD28	SEB	320	3.78	1.18	7.28E-04	9.57E-06	1.31	2.28	1.28
c	p1TA	SEB	1,680	51.10	3.04	8.19E-04	1.35E-05	1.65	0.49	0.22
d	p2TA	SEB	279	6.64	2.37	7.87E-04	1.18E-05	1.50	2.82	0.68
f	p1TA	SEA	7,250	427.00	5.89	3.68E-03	5.89E-05	1.60	0.51	0.92
g	p2TA	SEA	523	13.60	2.60	3.33E-04	4.50E-06	1.35	0.64	0.42

Purified recombinant superantigens were used. k_a , association rate; k_d , dissociation rate; KD, dissociation constant; Ms, millisecond; SEM, $n=3$.