

S1: Table 1: p65/Igk individual fit results and global fitting.

	K_d nM		R^2	[P]t nM	[P]t* nM
1	7.93	± 1.61	0.987	10.44	12.58 ± 0.46
2	4.02	± 0.39	0.997	10.44	12.32 ± 0.16
3	4.06	± 0.19	0.998	5.22	6.63 ± 0.05
4	3.94	± 0.28	0.998	5.22	5.93 ± 0.07
5	3.20	± 0.26	0.997	5.22	5.95 ± 0.07
6	3.84	± 0.38	0.996	5.22	6.20 ± 0.10
7	4.12	± 0.29	0.994	2.61	2.51 ± 0.03
8	3.80	± 0.71	0.978	2.61	2.27 ± 0.08
9	5.32	± 1.47	0.946	2.61	2.18 ± 0.12
10	2.46	± 0.34	0.987	2.61	1.76 ± 0.04
11	4.77	± 0.21	0.991		

Row 1-10, individual isotherm fits, row 11 global fitting statistics.

S2: Table 2: p65/Ig κ 3 individual fits and global fit using most statistically favored data.

	K_d nM	R^2	[P]t nM	[P]t* nM
1	4.02 $\pm$ 0.39	0.997	10.44	12.32 $\pm$ 0.16
2	4.06 $\pm$ 0.19	0.998	5.22	6.51 $\pm$ 0.05
3	4.12 $\pm$ 0.29	0.994	2.61	2.61 $\pm$ 0.03
4	4.11 $\pm$ 0.15	0.998		

Rows 1-3, individual fits, row 4, global fitting statistics

S3: Table 3: p65 and Igk binding data at 10 fold higher concentration.

	K_d nM	R^2	[P]t nM	[P]t* nM
1	3.57 ± 0.99	0.998	100	101.65 ± 1.29
2	3.91 ± 0.95	0.996	50	48.78 ± 0.78
3	2.22 ± 0.33	0.998	25	21.97 ± 0.21
4	3.44 ± 0.41	0.998		
Rows 1-3, individual fits, row 4, global fitting statistics				

S4: Table 4: p50 and Igk binding data at 10 fold higher concentration.

	K_d nM	R^2	[P]t nM	[P]t*nM
1	1.18 $\pm$ 0.34	0.999	156.8	135.64 $\pm$ 0.86
2	0.25 $\pm$ 0.15	0.998	78.4	60.18 $\pm$ 0.53
3	1.22 $\pm$ 0.39	0.996	39.2	24.22 $\pm$ 0.41
4	0.76 $\pm$ 0.14	0.999		
Rows 1-3, individual fits, row 4, global fitting statistics.				