

Supplementary Table 2. *Kinetic parameters used in the computational model of antibody binding.*

Antibody	Fab K_D ($\times 10^{-9} M^{-1}$)	Monovalent k_{on} ($\times 10^7 M^{-1}s^{-1}$)	Monovalent k_{off} ($\times 10^{-3} s^{-1}$)	Monovalent K_D ($\times 10^{-9} M^{-1}$)
C10	124.23*	2.11	3592.3	170.3
P3/5	58.24*	2.11	1684.1	79.8
P2/1	25.4*	2.11	734.5	34.8
P2/4	25.2*	2.11	728.7	34.5
P2/2	18.1*	2.11	523.4	24.8
3524	15.4*	2.11	445.3	21.1
2124	1.31*	2.11	37.9	1.8
2224	1.2*	2.11*	34.7*	1.6*
C225	0.013*	1*	2.07*	0.206*

* denotes an experimentally measured value.