

Supplementary data

Table S1 Optimization of coating concentration and antibody dilution (n = 3)

	Analyte	Coating concentration (mg L ⁻¹)	Antibody concentration (mg L ⁻¹)	A _{450max}	IC ₅₀ (μmol L ⁻¹)	A _{450max} / IC ₅₀
pAb/R-OFL		0.200	0.025	0.988	0.00117	844.4
vs R-OFL-	R-OFL	0.100	0.050	1.108	0.00118	939.0
OVA		0.050	0.067	0.994	0.00119	835.3
pAb/S-OFL		0.025	0.016	1.111	0.00085	1307.1
vs S-OFL-	S-OFL	0.013	0.031	1.193	0.00084	1420.2
OVA		0.006	0.062	1.166	0.00085	1371.8
pAb/rac-OFL		0.200	0.025	1.042	0.00061	1708.2
vs rac-OFL-	rac-OFL	0.050	0.050	1.093	0.00059	1852.5
OVA		0.013	0.400	1.140	0.00067	1701.5

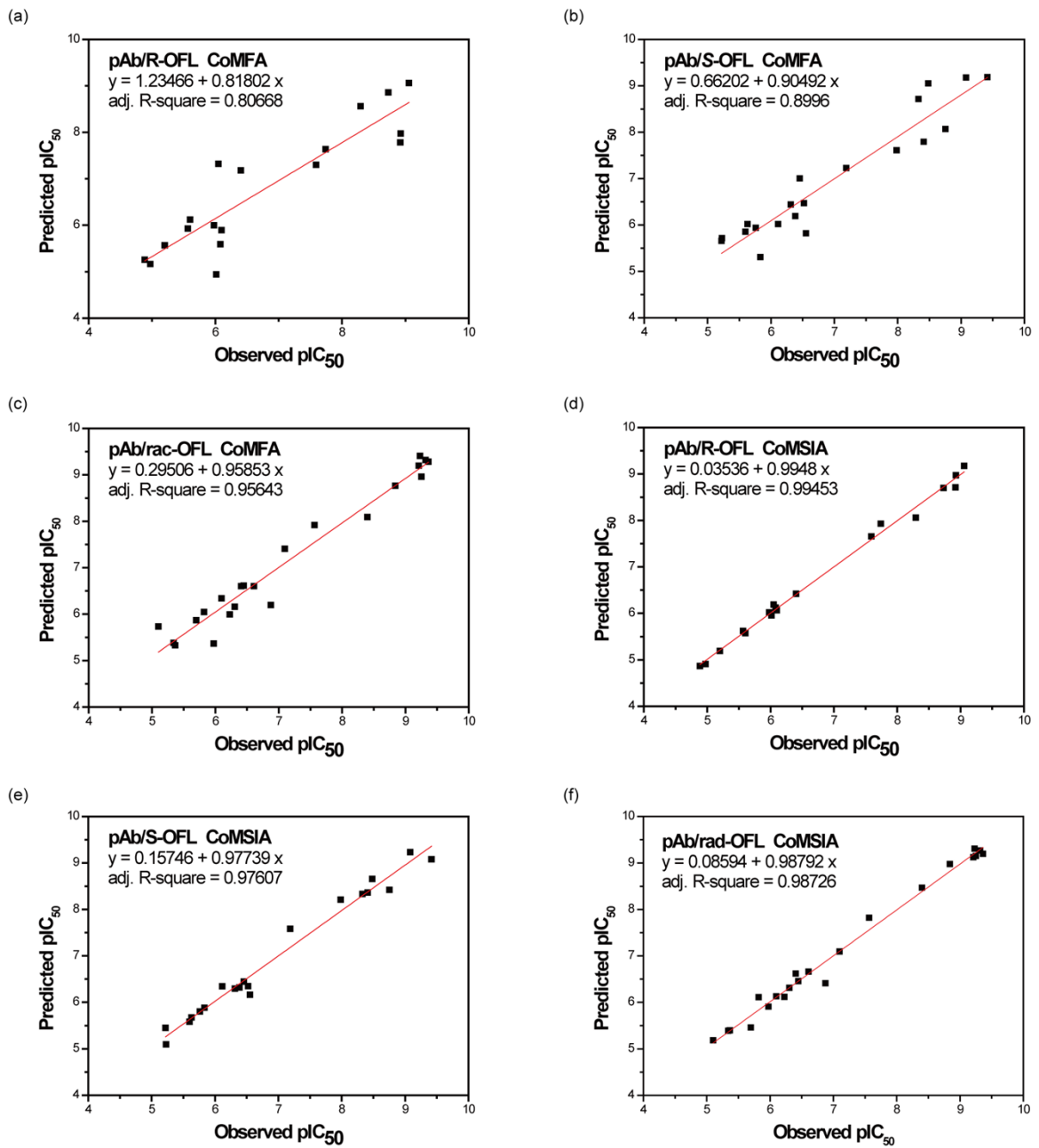


Fig. S1 Graph of observed versus predicted pIC_{50} of the three pAbs using CoMFA and CoMSIA method.