

Human IgG and Protein A

Rep 1	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	592	9.6*	
	IgG	1054	6.72	
	IgG-Protein A	1075	6.85	9.413
	IgG2-Protein A	226	1.44	31.902
	IgG3-ProteinA2	106	0.67	14.712
	IgG4-Protein A2	59	0.37	11.954

f conv 0.00638

Rep 2	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	610	7.91*	
	IgG	647	5.55	
	IgG-Protein A	1058	9.07	4.841
	IgG2-Protein A	197	1.69	29.864
	IgG3-ProteinA2	78	0.67	22.936
	IgG4-Protein A2			

f conv

Rep 3	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	666	7.38*	
	IgG	760	4.15	
	IgG-Protein A	1577	8.6	3.558
	IgG2-Protein A	292	1.59	22.385
	IgG3-ProteinA2	142	0.77	17.732
	IgG4-Protein A2	80	0.44	7.369

f conv 0.00545

Rep 4	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	566	5.116*	
	IgG	615	5.04	
	IgG-Protein A	975	7.99	5.116
	IgG2-Protein A	175	1.43	28.132
	IgG3-ProteinA2	100	0.82	13.918
	IgG4-Protein A2	50	0.41	10.174

f conv 0.0082

KD Summary

	Kd (nM)	error (+/-)
IgG + Protein A ->	5.73	2.55
IgG + IgG-Protein	28.07	4.09
IgG2-Protein A + I	17.32	4.09
IgG3-ProteinA2 +	9.83	2.31

* indicates concentration is calculated by mass balance

Bovine IgG and Protein A

Rep 1	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	510	16.182*	
	IgG	2810	14.434	
	IgG-Protein A	743	3.818	61.176
	IgG2	170	0.874	238.317

f conv 0.00514

Rep 2	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	450	16.82*	
	IgG	2579	14.956	
	IgG-Protein A	548	3.18	79.102
	IgG2	161	0.932	239.95

f conv 0.0058

Rep 3	Species	Counts	Conc (nM)	Kd (nM)
	Protein A	520	16.486*	
	IgG	4856	14.459	
	IgG-Protein A	1180	3.514	67.824
	IgG2	340	1.013	206.354

f conv 0.00298

KD Summary

	Kd (nM)	error (+/-)
IgG + Protein A -> IgG-Protein A	69.37	9.06
IgG + IgG -> IgG2	228.21	18.94