

SPR Results of Target Designs by OriginFlow

Affinity Validation - Summary

VEGF

Name	KD(M)
VE1	3.5E-5
VE3	1.7E-4
VE4	4.96E-5
VE5	6.99E-5
VE6	1.28E-4
VE7	1.01E-4
VE8	6.17E-5
VE9	3.8E-4

RBD

Name	KD(M)
Covid-1	5.94E-05
Covid-2	7.20E-05
Covid-3	7.37E-05
Covid-4	1.99E-06
Covid-5	5.40E-05

PDL1

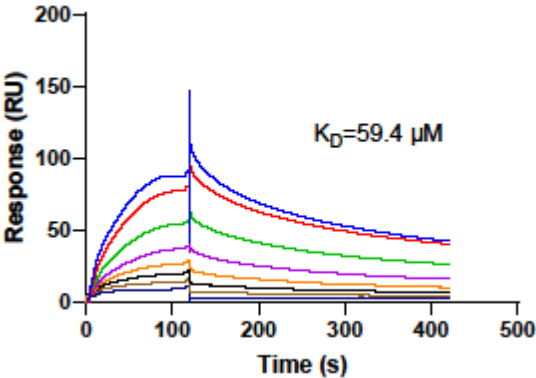
Name	KD(M)
PDL1-1	1.962E-4
PDL1-2	9.508E-5
PDL1-3	3.974E-5

SPR Experimental Results of RBD Ligands

Covid-1

Report table

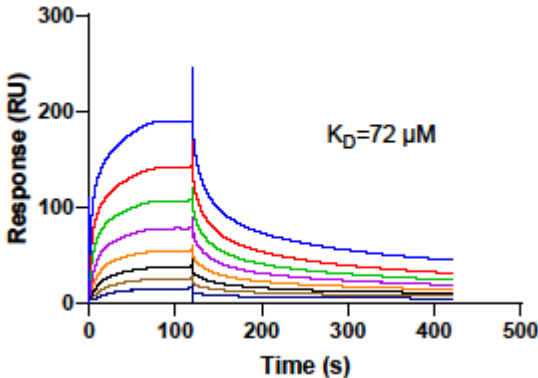
KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
5.944E-5			5.55
	106.8	8.292	



Covid-2

Report table

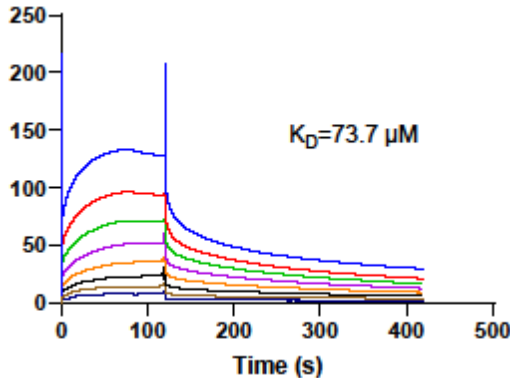
KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
7.200E-5			29.7
	230.6	14.77	



Covid-3

Report table

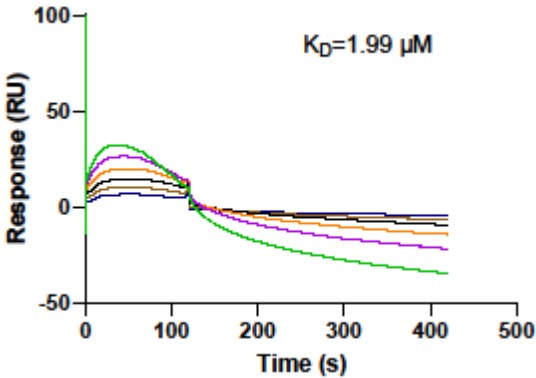
KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
7.371E-5			18.9
	158.4	8.609	



Covid-4

Report table

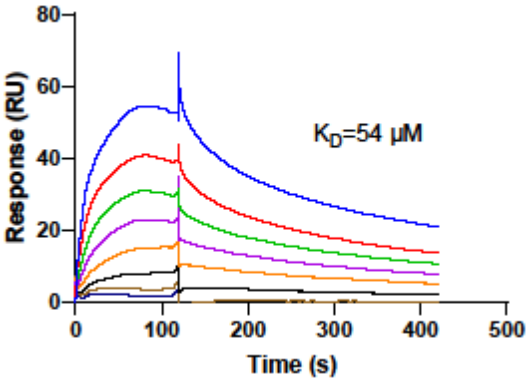
KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
1.989E-6			0.271
	17.05	-2.218	



Covid-5

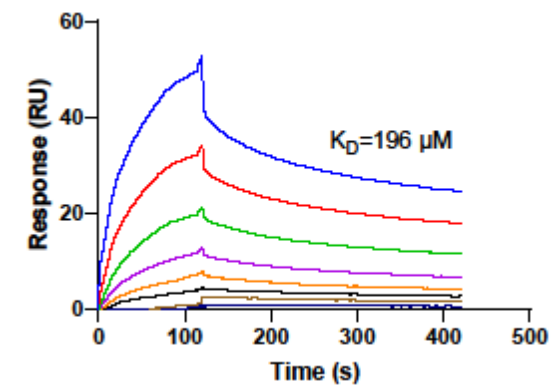
Report table

KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
5.401E-5			4.02
	61.65	1.768	



Name	KD(M)
Covid-1	5.94E-05
Covid-2	7.20E-05
Covid-3	7.37E-05
Covid-4	1.99E-06
Covid-5	5.40E-05

SPR Experimental Results of PDL1 Ligands

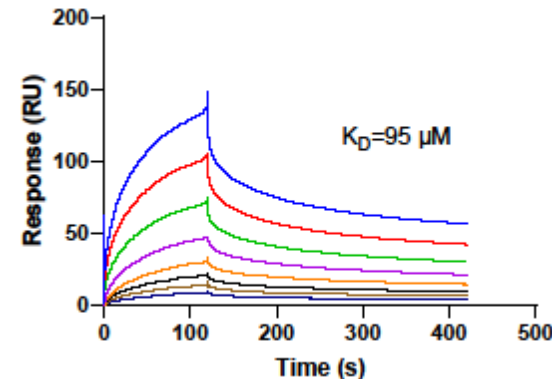


Report table

KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
1.962E-4			0.869
	99.74	0.1213	

PDL1-1

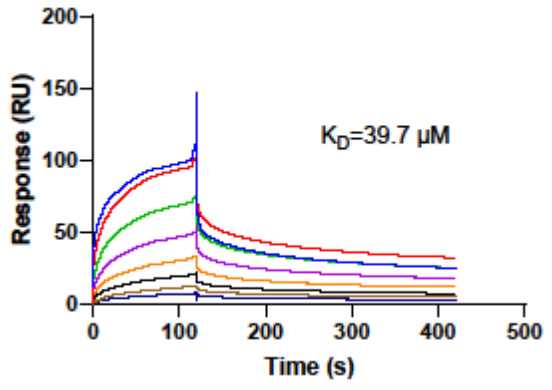
Name	KD(M)
PDL1-1	1.962E-4
PDL1-2	9.508E-5
PDL1-3	3.974E-5



Report table

KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
9.508E-5			2.72
	187.5	6.822	

PDL1-2



Report table

KD (M)	Rmax (RU)	offset (RU)	Chi² (RU²)
3.974E-5			7.46
	126.7	2.158	

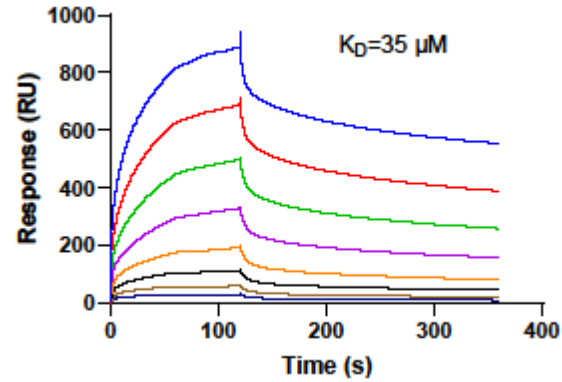
PDL1-3

Affinity Validation of VEGF and Its Binders

VE1

Parameters table

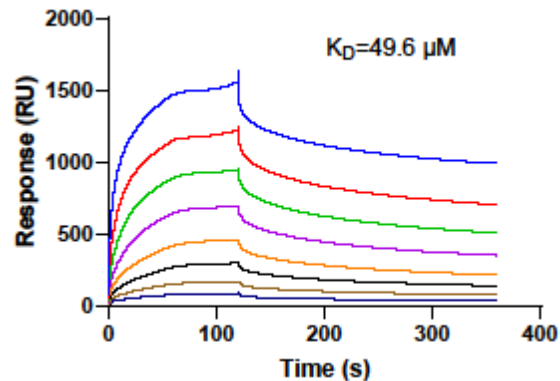
KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
3.501E-5	2.1E-6	1171.8	23	9.8	6.8



VE4

Parameters table

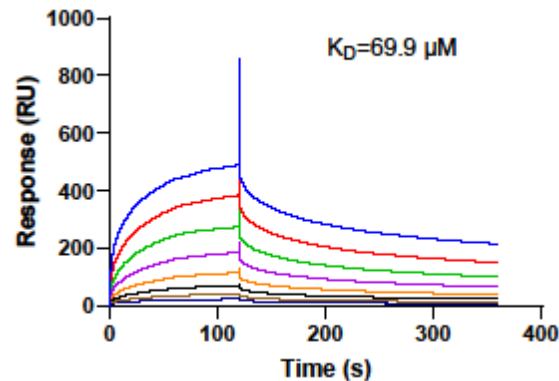
KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
4.966E-5	6.7E-6	1792.5	67	69.3	30



VE5

Parameters table

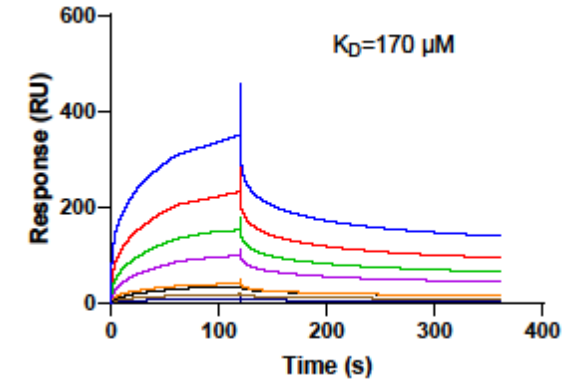
KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
6.996E-5	5.0E-6	630.8	15	15.6	4.3



VE3

Parameters table

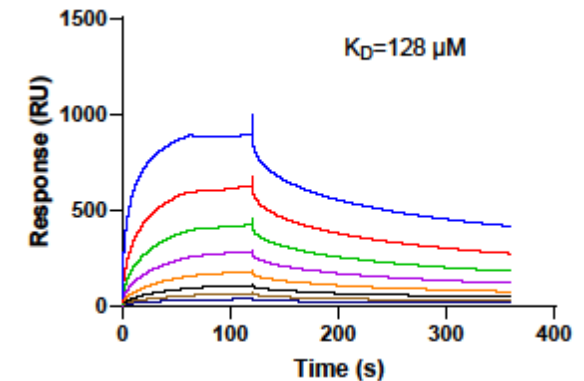
KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
1.701E-4	3.2E-5	632.0	60	4.0	5.2



VE6

Parameters table

KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
1.279E-4	2.1E-5	1378.0	100	40.9	13

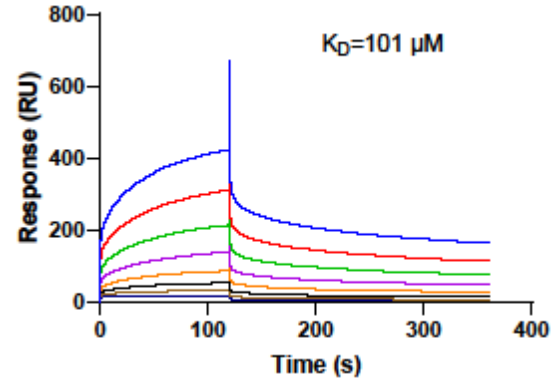


VE2 was excluded from testing due to the formation of fibrous precipitates in the protein.

VE7

Parameters table

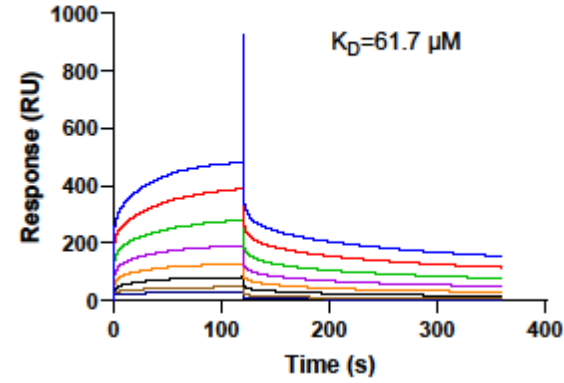
KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
1.014E-4	1.3E-5				
		601.9	31	17.0	5.6



VE8

Parameters table

KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
6.173E-5	6.6E-6				
		593.2	19	24.2	6.7



VE9

Parameters table

KD (M)	SE(KD)	Rmax (RU)	SE(Rmax)	offset (RU)	SE(offset)
3.804E-4	1.4E-4				
		337.7	86	-3.0	2.1

