

ID	Epitope	S1			RBD			T _m (°C)	SARS-CoV-2 PSV IC50 (s.e.m) (nM)
		K _{on} (M ⁻¹ s ⁻¹)	K _{off} (s ⁻¹)	K _D (M)	K _{on} (M ⁻¹ s ⁻¹)	K _{off} (s ⁻¹)	K _D (M)		
S1-1	RBD	4.14E+05	2.98E-05	7.20E-11	6.50E+05	5.98E-07	9.20E-12	66.5	6.74 (1.03)
S1-2	non-RBD	1.59E+06	1.88E-03	1.18E-09	No interaction detected			66.5	NA
S1-3	non-RBD	5.08E+05	4.32E-04	8.51E-10	No interaction detected			64	1030 (666)
S1-4	RBD	1.25E+06	1.06E-04	8.46E-11	1.26E+06	1.26E-04	1.37E-10	66	41.5 (3.68)
S1-5	RBD	1.33E+05	1.15E-03	8.61E-09	-			65.25	NA
S1-6	RBD	1.02E+06	5.75E-04	5.65E-10	5.92E+05	3.69E-04	6.22E-10	65	56.1 (20.7)
S1-7	non-RBD	7.59E+05	9.90E-04	1.30E-09	No interaction detected			60.5	NA
S1-9	non-RBD	9.51E+05 1.25E+05	4.28E-07 1.57E-04	4.50E-13 ^a 1.25E-09	-			47.5	NA
S1-10	non-RBD	8.35E+04	1.82E-03	2.19E-08	-			64	NA
S1-11	non-RBD	-			-			60	NA
S1-12	RBD	2.90E+05	8.92E-04	3.07E-09	2.33E+05	2.24E-04	9.63E-10	68	NA
S1-14	RBD	1.08E+06	1.10E-03	1.02E-09	5.37E+05	7.99E-04	1.49E-09	57.5	135.8 (36.4)
S1-17	non-RBD	-			-			65	1271 (888)
S1-19	RBD	1.30E+06 3.55E+04	8.86E-03 2.41E-04	6.81E-09 ^a 6.81E-09	-			64.5	139 (9.58)
S1-20	RBD	1.48E+07	4.37E-03	2.95E-10	-			69	51.8 (3.72)
S1-21	RBD	4.77E+06	1.58E-04	3.31E-11	1.22E+06	2.45E-04	2.00E-10	70.5	68.1
S1-23	RBD	2.82E+06	4.91E-05	1.74E-11	1.09E+06	1.07E-04	9.78E-11	64	5.7 (2.163)
S1-24	non-RBD	6.49E+05	2.89E-04	4.45E-10	No interaction detected			71.5	868
S1-25	non-RBD	2.15E+05	3.39E-05	1.57E-10	No interaction detected			58	NA
S1-27	RBD	3.15E+06	4.52E-04	1.43E-10	2.89E+06	6.30E-04	2.18E-10	54	19.5 (4.90)
S1-28	RBD	1.38E+06	7.97E-04	5.76E-10	1.79E+06	1.03E-03	5.77E-10	66	66.0 (10.9)
S1-29	RBD	2.39E+05	1.01E-03	4.21E-09	1.73E+05	8.89E+04	5.12E-09	61.5	NA
S1-30	non-RBD	6.21E+05	1.48E-03	2.38E-09	No interaction detected			57	330
S1-31	RBD	2.17E+06	5.63E-04	2.59E-10	1.94E+06	9.37E-04	4.84E-10	72	78.7 (3.48)
S1-32	non-RBD	2.73E+05	4.66E-04	1.71E-09	No interaction detected			79	NA
S1-35	RBD	2.46E+06	2.11E-05	8.60E-12	2.70E+06	9.77E-05	3.62E-11	70.5	12.5 (0.101)
S1-36	RBD	2.28E+06	3.92E-04	1.72E-10	7.87E+06	1.72E-03	2.18E-10	63	48.5 (21.1)
S1-37	RBD	4.03E+06	2.75E-04	6.82E-11	4.14E+06	2.09E-04	5.05E-11	65	7.54
S1-38	RBD	5.34E+06	1.12E-03	2.10E-10	-			64	63.2
S1-39	RBD	2.14E+06	8.11E-04	3.79E-10	1.68E+06	1.06E-03	6.30E-10	55	111 (4.03)
S1-41	non-RBD	8.73E+05	1.38E-03	1.58E-09	No interaction detected			62.5	732
S1-46	RBD	1.68E+05	2.94E-04	1.75E-09	2.22E+05	1.70E-04	7.66E-10	68	312 (14.0)
S1-48	RBD	2.61E+06	6.22E-05	2.39E-11	1.66E+06	1.64E-04	9.85E-11	60.5	5.82 (0.832)
S1-49	non-RBD	1.94E+06	3.63E-03	1.87E-09	-			49, 74 ^c	356 (56.9)
S1-50	non-RBD	3.33E+05 3.34E-03	1.39E-02 3.94E-04	4.40E-09 ^b	No interaction detected			66	24,303
S1-51	RBD	9.28E+04	4.22E-04	4.54E-09	3.77E+06	2.01E-03	5.33E-10	56	608
S1-52	RBD	4.22E+05	3.13E-04	7.74E-09	4.53E+04	1.94E-04	4.36E-09	57.5	3,634
S1-53	RBD	1.40E+06 2.36E+04	8.46E-03 2.19E-04	6.05E-09 9.27E-09	-			51.5	3,406
S1-54	RBD	1.13E+06	6.58E-05	5.84E-11	2.55E+04	2.88E-04	1.13E-08	69	148

S1-55	RBD	3.98E+06 3.53E+04	5.41E-03 5.31E-06	1.36E-09 1.51E-10	5.03E+05 1.84E+04	1.11E-02 1.82E-04	2.21E-08 9.89E-09	54.5	2,353
S1-56	RBD	1.46E+04 4.45E-03	2.99E-03 7.90E-05	3.57E-09 ^b	2.21E+03	1.05E-04	4.73E-08	54	NA
S1-58	non-RBD	5.73E+05	1.66E-04	2.90E-10	-			53.5	146
S1-60	non-RBD	3.30E+05 4.61E+04	5.24E-06 3.67E-03	1.59E-11 ^a 9.58E-08	-			62	NA
S1-61	RBD	9.87E+05 8.23E+02	1.81E-02 1.10E-04	1.84E-08 ^a 1.34E-07	4.46E+04	1.88E-04	4.21E-09	60	NA
S1-62	RBD	2.68E+06	9.51E-05	3.54E-11	3.30E+06	6.30E-05	2.08E-11	71.5	4.95
S1-63	RBD	1.09E+06 3.39E+04	1.12E-02 1.67E-04	1.02E-08 ^a 4.94E-09	5.10E+04	2.23E-04	4.37E-09	65	NA
S1-RBD-3	RBD	8.81E-05 7.36E+04	1.76E-02 1.13E-03	2.00E-08 ^a 1.53E-08	-			72	384 (18.7)
S1-RBD-4	RBD	2.02E+06	1.64E-04	8.09E-11	2.83E+06	8.16E-04	2.89E-10	64.5	17.5 (1.98)
S1-RBD-5	RBD	1.94E+06	1.63E-04	8.38E-11	7.21E+06	1.05E-03	1.45E-10	64	34.5
S1-RBD-6	RBD	1.55E+06	1.63E-04	1.05E-10	3.48E+06	1.13E-03	3.24E-10	66.5	77.2 (21.8)
S1-RBD-9	RBD	-			2.85E+05	1.23E-04	4.30E-10	69	522
S1-RBD-10	RBD	-			-			-	52.9
S1-RBD-11	RBD	2.22E+07	2.94E-04	1.32E-11	2.06E+07	4.06E-04	1.97E-11	65	13.5 (5.50)
S1-RBD-12	RBD	-			1.10E+04	3.39E-05	3.10E-09	67	NA
S1-RBD-14	RBD	-			1.33E+04	3.34E-04	2.51E-08	65	NA
S1-RBD-15	RBD	5.37E+06	1.50E-04	2.79E-11	7.52E+06	4.95E-04	6.58E-11	59.5, 80 ^c	5.29 (1.44)
S1-RBD-16	RBD	-			1.68E+04	6.25E-05	3.73E-09	61	79.2 (4.23)
S1-RBD-18	RBD	2.28E+06	6.25E-04	2.74E-10	4.43E+06	1.27E-03	2.87E-10	69.5	67.2 (1.92)
S1-RBD-19	RBD	-			-			60	3,902
S1-RBD-20	RBD	2.37E+06	2.23E-04	9.43E-11	3.05E+06	7.91E-04	2.59E-10	49, 70 ^c	12.4 (1.06)
S1-RBD-21	RBD	3.50E+06	1.31E-03	3.73E-10	3.15E+06	1.71E-03	5.45E-10	48.5, 70.5 ^c	14.1
S1-RBD-22	RBD	9.34E+05	2.28E-04	2.44E-10	9.24E+05	4.42E-04	4.78E-10	57.5	100 (0.078)
S1-RBD-23	RBD	-			2.89E+06	4.61E-05	1.59E-11	61	7.31 (0.418)
S1-RBD-24	RBD	1.61E+06	1.40E-03	8.65E-10	2.12E+06	1.22E-03	5.75E-10	46, 67 ^c	218
S1-RBD-25	RBD	-			8.41E+04	1.16E-02	1.38E-07	-	NA
S1-RBD-26	RBD	1.06E+05	4.58E-06	4.32E-11	2.15E+05	1.33E-05	6.19E-11	66	241 (81.4)
S1-RBD-27	RBD	-			6.19E+06	1.24E-02	2.00E-09	71	65.8
S1-RBD-28	RBD	1.80E+06	4.27E-04	2.38E-10	1.80E+06	4.27E-04	2.38E-10	64.5	32.7 (3.07)
S1-RBD-29	RBD	-			5.36E+05	1.35E-03	2.51E-09	74	9.53 (1.04)
S1-RBD-30	RBD	2.15E+06	6.66E-05	3.10E-11	3.77E+06	4.82E-04	1.28E-10	65	25.0 (3.57)
S1-RBD-32	RBD	-			1.05E+05	7.90E-03	7.52E-08	65	NA
S1-RBD-34	RBD	-			5.71E+04	4.88E-03	8.54E-08	64	NA
S1-RBD-35	RBD	8.01E+05	1.68E-04	2.10E-10	1.33E+06	2.50E-04	1.88E-10	57, 68 ^c	12.3 (2.40)
S1-RBD-36	RBD	-			-			71	NA
S1-RBD-37	RBD	-			3.60E+05	8.88E-04	2.47E-09	71	391
S1-RBD-38	RBD	-			1.12E+06	9.84E-04	8.79E-10	68.5	84.6 (22.7)
S1-RBD-39	RBD	-			4.92E+05	7.77E-05	1.58E-10	67.5	77.8
S1-RBD-40	RBD	-			7.47E+05	2.77E-05	3.71E-11	70	25.6 (5.88)
S1-RBD-41	RBD	-			4.37E+05	1.39E-04	3.17E-10	-	17.0
S1-RBD-43	RBD	-			6.21E+05	1.82E-04	2.92E-10	68	33.6 (1.33)
S1-RBD-44	RBD	-			1.91E+05	6.97E-05	3.65E-10	57.5	93.4
S1-RBD-45	RBD	-			4.43E+05	4.14E-05	9.30E-11	53	22.6

S1-RBD-46	RBD	-			4.69E+05	5.79E-04	1.23E-09	75.5	48.0
S1-RBD-47	RBD	-			2.11E+05	6.45E-04	3.06E-09	53.5	127 (11.6)
S1-RBD-48	RBD	-			1.05E+05	2.42E-04	2.30E-09	58, 63 ^c	54.5
S1-RBD-49	RBD	3.24E+05	3.24E-04	1.00E-09	3.15E+05	5.34E-04	1.69E-09	66.5	37.6
S1-RBD-51	RBD	-			3.77E+06	2.01E-03	5.33E-10	52, 61 ^c	70.9 (29.3)

^aCurves were fit to a heterogeneous ligand model. Respective K_{on} , K_{off} , and K_D values are shown for each component.

^bCurves were fit to a two-state reaction model. Respective K_{on} , K_{off} , and K_D values are shown for each binding state.

^cTwo peaks were observed in the melting curve. T_m s for both are reported.

"-" - Not determined

NA - No activity