

Supplementary information Table S3

Summary of C5a-mediated β -arrestin2 recruitment assay of C5aRs. Related to the Methods section “BRET assay measuring β -arrestin2 recruitment to C5a receptors”.

Receptors	EC ₅₀ (nM)	Fold	E _{max} (%WT)	n	Expression level (%WT)
C5aRs		C5a			
C5aR1-WT	14.82±2.76	1.00	99.72±3.52	6	100
E180^{ECL2}A	18.38±2.73	1.24	82.74±2.22	3	108.78±5.51
Y181^{ECL2}A	14.20±2.50	0.96	117.50±3.80	3	120.10±16.84
F182^{ECL2}A	31.99±8.06	2.16	102.20±4.20	3	100.51±1.33
P183^{ECL2}A	16.72±3.80	1.13	75.65±3.12	3	104.90±6.46
E180- P183^{ECL2}4A	198.60±1.63	13.42	62.94±1.05	3	94.36±2.19
D282^{7.35E}	40.78±10.59	2.75	86.59±4.06	3	103.21±13.22
I91^{2.59A}	23.77±4.36	1.60	79.54±2.58	3	88.18±0.41
W102^{ECL1}A	51.51±18.30	3.48	24.10±1.59	3	98.82±2.05
R175^{4.64A}	47.84±9.15	3.23	43.97±1.55	3	85.55±1.94
D191^{ECL2}A	24.48±5.26	1.65	82.18±3.13	3	106.90±1.84
E199^{5.35A}	38.26±7.94	2.58	90.92±3.38	3	105.50±1.84
Y258^{6.51A}	55.05±8.07	3.72	43.58±1.20	3	92.45±0.20
C5aR2-WT	26.53±5.66	1.00	100	6	100
R173^{4.64A}	16.18±16.74	0.61	22.78±4.29	3	93.00±11.43
D189^{ECL2}A	ND	ND	ND	3	92.19±2.93
E197^{5.35A}	19.54±7.79	0.74	85.58±6.32	3	90.16±0.72
Y249^{6.51A}	ND	ND	ND	3	111.16±1.05

ND means no detectable due to the low signal.