S3 Table: Individual results for Table 2: Binding responses of CD20, CD3 and CD52 antibodies binding to Fc gamma receptors.

Sample	Specificity	Amino acid alterations and sample description	human FcγRI				human FcγRIIa R131				human FcγRIIb				human FcγRIIIa V158				human FcγRIIIa F158				human FcγRIIIb NA2				mouse FcγRI				rat FcγRI			
			Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD	Rep 1	Rep 2	Mean	SD
PBS			-0.4	0.8	0.2	0.9	-8.4	-2.1	-5.2	4.4	-7.4	-1.2	-4.3	4.4	0.3	-6.7	-3.2	4.9	-4.6	-1.6	-3.1	2.1	-4.7	5*	-4.7	na	0.1	265.7*	0.1	na	0.3	44.5*	0.3	na
PBS			1.1	1.3	1.2	0.2	7.0	0.3	3.7	4.7	6.0	1.7	3.9	3.1	0.4	0.7	0.5	0.2	4.1	0.7	2.4	2.4	3.9	0.0	1.9	2.7	0.1	2.8	1.5	1.9	1.6	-3.2	-0.8	3.3
PBS			-0.9	0.9	0.0	1.2	1.4	-0.7	0.3	1.5	1.4	0.2	0.8	0.8	-0.8	-0.4	-0.6	0.3	0.4	-0.2	0.1	0.4	0.9	-0.1	0.4	0.7	-0.3	-2.6	-1.4	1.6	-1.9	-0.1	-1.0	1.3
PBS			5.3	-117.1*	5.3	na	1.1	-2.0	-0.4	2.2	1.3	-4.4	-1.5	4.0	-2.4	1.1	-0.6	2.4	0.1	-3.0	-1.5	2.2	0.4	-4.0	-1.8	3.1	0.0	3.4	1.7	2.4	-0.3	1.2	0.4	1.1
PBS			3.5	-1.8	0.9	3.8	0.9	-0.4	0.3	0.9	1.5	-1.3	0.1	2.0	-2.1	-0.7	-1.4	1.0	1.6	-0.5	0.6	1.5	0.6	-0.8	-0.1	1.0	8.3	-0.8	3.8	6.5	0.8	-1.1	-0.1	1.4
PBS			0.9	3.2	2.0	1.6	7.8	1.2	4.5	4.6	8.9	1.3	5.1	5.4	-4.8	nd	-4.8	na	7.6	1.1	4.4	4.6	8.4	1.1	4.8	5.1	0.1	nd	0.1	na	-2.8	nd	-2.8	na
PBS			4.8	-1.4	1.7	4.4	1.5	-0.8	0.4	1.6	2.1	nd	2.1	na	-5.3	nd	-5.3	na	2.4	-0.6	0.9	2.1	1.2	-0.4	0.4	1.1	-1.0	nd	-1.0	na	-1.5	nd	-1.5	na
Mean of PBS negative controls					1.3				0.5				0.8				-1.7				0.5				0.5				0.9				-0.6	
SD					2.3				3.9				4.1				2.6				3.0				3.2				3.0				1.6	
Cut point = Mean+1.645*SD					5.1				6.8				7.5				2.5				5.4				5.8				5.8				2.0	
2-1	CD20	wild type reference	2487.8	2237.8	2362.8	176.8	144.4	131.4	137.9	9.2	53.4	50.4	51.9	2.2	652.8	637.8	645.3	10.7	390.4	357.5	373.9	23.3	205.5	208.2	206.9	1.9	1981.1	1889.4	1935.3	64.8	815.7	761.8	788.7	38.2
2-19	CD20	L234G/L235S/G236R	-1.2	-1.8	-1.5	0.4	5.0	-0.8	2.1	4.1	2.7	-2.8	-0.1	3.9	-0.4	0.8	0.2	0.8	3.3	-1.4	1.0	3.3	0.0	-3.1	-1.6	2.2	-3.2	-1.7	-2.5	1.1	-7.2	-1.0	-4.1	4.4
2-52	CD20	L234S/L235T/G236R	-2.2	-0.5	-1.3	1.2	6.1	-0.9	2.6	4.9	3.7	-2.7	0.5	4.5	-4.6	-3.4	-4.0	0.9	5.0	-1.1	1.9	4.3	11.0*	-3.0	-3.0	na	-1.8	-6.6	-4.2	3.3	0.0	-3.8	-1.9	2.7
2-53	CD20	L234S/L235V/G236R	-2.7	-0.5	-1.6	1.5	2.5	-1.9	0.3	3.1	1.8	-3.5	-0.8	3.7	-0.3	0.7	0.2	0.7	2.7	-2.8	0.0	3.9	4.7	-3.6	0.6	5.9	1.3	-1.7	-0.2	2.2	0.1	-1.2	-0.5	0.9
2-60	CD20	L234T/L235Q/G236R	-2.4	-1.4	-1.9	0.7	2.4	-2.1	0.2	3.2	1.6	-3.8	-1.1	3.8	-2.0	-1.7	-1.8	0.2	1.4	-2.5	-0.5	2.8	1.3	-4.2	-1.5	3.9	-2.2	-3.7	-3.0	1.1	-1.2	-3.0	-2.1	1.3
2-63	CD20	L234T/L235T/G236R	-3.4	-1.9	-2.7	1.1	4.4	-0.7	1.9	3.6	3.5	-2.3	0.6	4.1	-0.3	3.2	1.4	2.5	4.5	-1.3	1.6	4.1	2.2	-2.4	-0.1	3.3	-1.1	0.0	-0.6	0.8	-0.4	-0.5	-0.4	0.0
2-65	CD20	L234A/L235A (LALA)	606.3	501.4	553.9	74.2	14.5	11.6	13.1	2.0	5.8	9.1	7.5	2.4	73.5	53.1	63.3	14.4	29.4	28.6	29.0	0.5	9.2	13.1	11.2	2.8	-10.9	-13.6	-12.3	1.9	-7.8	-2.7	-5.3	3.6
2-66	CD20	L234A/L235A/P329G (LALAPG)	48.1	14.7*	48.1	na	2.6	3.4	3.0	0.6	6.4	1.8	4.1	3.3	0.7	1.5	1.1	0.6	6.3	3.1	4.7	2.3	9.3	0.8	5.1	6.0	2.2	2.2	2.2	0.0	2.6	-1.4	0.6	2.8
2-67	CD20	N297Q (aglycosyl)	499.8	358.2*	499.8	na	6.3	3.9	5.1	1.6	5.4	-0.6	2.4	4.3	1.1	0.9	1.0	0.1	3.4	1.5	2.4	1.3	6.8	-1.4	2.7	5.7	67.3	53.8	60.5	9.5	579.8	540.9	560.3	27.5
3-1	CD3	wild type reference	2500.2	2310.3	2405.3	134.3	125.4	127.4	126.4	1.4	42.5	44.9	43.7	1.6	699.9	679.0	689.5	14.8	266.9	252.8	259.9	9.9	142.1	147.2	144.6	3.6	2049.0	1939.0	1994.0	77.8	821.5	756.7	789.1	45.8
3-19	CD3	L234G/L235S/G236R	-2.9	-7.6	-5.2	3.3	-5.1	-4.6	-4.8	0.3	-5.4	-4.7	-5.1	0.5	-8.9	-12.7	-10.8	2.7	-5.1	-4.3	-4.7	0.6	-6.5	-6.3	-6.4	0.1	-3.1	-4.9	-4.0	1.3	-2.4	-4.4	-3.4	1.4
3-52	CD3	L234S/L235T/G236R	-7.4	-3.1	-5.2	3.0	2.8	0.0	1.4	2.0	7.2	0.6	3.9	4.7	-5.6	-9.2	-7.4	2.5	6.1	0.5	3.3	3.9	8.2	1.2	4.7	4.9	-5.0	-5.9	-5.4	0.7	-3.6	-5.0	-4.3	1.0
3-53	CD3	L234S/L235V/G236R	-5.7	-5.0	-5.4	0.4	-4.4	-2.4	-3.4	1.4	-5.0	-3.3	-4.2	1.2	-7.6	-10.6	-9.1	2.2	-4.0	-2.8	-3.4	0.9	-5.5	-4.1	-4.8	1.0	-5.1	-7.3	-6.2	1.6	-1.7	-6.3	-4.0	3.2
3-60	CD3	L234T/L235Q/G236R	-3.5	-2.9	-3.2	0.4	1.9	-2.3	-0.2	3.0	-0.7	-4.9	-2.8	3.0	-5.8	-9.5	-7.6	2.7	-0.1	-1.8	-0.9	1.2	-2.3	-3.7	-3.0	0.9	-3.0	-5.3	-4.1	1.6	0.3	-3.9	-1.8	3.0
3-63	CD3	L234T/L235T/G236R	-2.8	-3.5	-3.1	0.4	-2.2	-3.3	-2.8	0.8	-2.2	-4.3	-3.3	1.5	-6.4	-9.2	-7.8	2.0	-0.5	-3.4	-2.0	2.1	-3.6	-5.1	-4.4	1.0	-5.5	-4.6	-5.1	0.6	-2.7	-3.9	-3.3	0.9
3-65	CD3	L234A/L235A (LALA)	540.8	528.3	534.5	8.9	9.4	2.1	5.8	5.1	2.5	-3.0	-0.3	3.9	70.6	63.8	67.2	4.8	17.4	12.3*	17.4	na	2.6	4.7	3.7	1.5	-0.7	-2.4	-1.6	1.2	-3.0	-5.3	-4.1	1.6
3-66	CD3	L234A/L235A/P329G (LALAPG)	44.2	34.7	39.4	6.8	-4.4	-5.6	-5.0	0.8	-4.3	-6.9	-5.6	1.8	-7.8	-10.3	-9.1	1.7	-1.9	-5.7	-3.8	2.7	6.1	-4.0	1.1	7.2	-5.2	-7.6	-6.4	1.7	-3.8	-6.8	-5.3	2.1
3-67	CD3	N297Q (aglycosyl)	501.9	502.1	502.0	0.1	5.9	-2.6	1.7	6.0	-1.8	-7.5	-4.7	4.0	-10.6	-11.5	-11.1	0.7	-0.7	-5.9	-3.3	3.7	0.9	-6.5	-2.8	5.2	47.4	42.7	45.0	3.3	487.0	471.0	479.0	11.3
4-1	CD52	wild type reference	2267.5	1951.9	2109.7	223.2	129.0	125.6	127.3	2.4	46.3	40.5	43.4	4.1	526.4	406.2	466.3	85.0	315.9	276.4	296.1	27.9	176.6	174.5	175.5	1.5	1675.7	1565.1	1620.4	78.1	608.5	577.9	593.2	21.7
4-19	CD52	L234G/L235S/G236R	-2.3	-4.7	-3.5	1.7	-3.4	-3.6	-3.5	0.2	-3.0	-8.0	-5.5	3.5	-4.3	-1.0	-2.6	2.3	-3.5	-5.0	-4.2	1.0	-3.5	-6.1	-4.8	1.9	-1.6	-3.3	-2.4	1.2	-0.6	-2.9	-1.7	1.6
4-52	CD52	L234S/L235T/G236R	-4.0	-6.1	-5.1	1.5	-1.0	-5.1	-3.1	2.9	-1.7	-7.1	-4.4	3.9	-5.0	-2.7	-3.8	1.7	-1.1	-5.5	-3.3	3.2	-1.8	-6.7	-4.3	3.4	-2.4	-5.1	-3.7	1.9	-1.4	-3.6	-2.5	1.5
4-53	CD52	L234S/L235V/G236R	-21.6	-18.9	-20.3	2.0	-2.0	-6.5	-4.2	3.1	6.1	-1.2	2.4	5.2	-3.9	0.4	-1.8	3.0	5.7	-1.3	2.2	4.9	5.2	0.0	2.6	3.7	-2.6	-2.9	-2.8	0.2	-2.6	-1.9	-2.2	0.4
4-60	CD52	L234T/L235Q/G236R	-11.9	-9.4	-10.6	1.8	-1.9	-2.5	-2.2	0.4	3.3	-0.7	1.3	2.9	-1.8	-0.4	-1.1	0.9	2.4	-1.1	0.7	2.5	2.6	-1.9	0.4	3.2	2.7	-3.3	-0.3	4.2	3.8	-2.0	0.9	4.1
4-63	CD52	L234T/L235T/G236R	-22.7	-18.6	-20.7	2.9	-10.5	-6.9	-8.7	2.6	0.2	-0.3	-0.1	0.3	-3.3	1.1	-1.1	3.1	-2.5*	-1.3	-1.3	na	13.7*	0.8	0.8	na	-3.9	-3.0	-3.4	0.7	-3.3	-3.1	-3.2	0.2
4-65	CD52	L234A/L235A (LALA)	483.5	419.4	451.5	45.3	7.2	4.4	5.8	1.9	2.3	2.3	2.3	0.0	69.3	58.3	63.8	7.8	17.1	16.9	17.0	0.2	7.1	4.6	5.9	1.8	-0.2	4.4	2.1	3.2	-3.0	1.9	-0.6	3.4
4-66	CD52	L234A/L235A/P329G (LALAPG)	35.7	31.8	33.7	2.7	1.0	1.4	1.2	0.3	2.5	3.3	2.9	0.6	-3.0	nd	-3.0	na	2.7	3.2	3.0	0.3	4.5	2.3	3.4	1.5	-2.5	1.7	-0.4	3.0	-1.7	1.6	-0.1	2.4
4-67	CD52	N297Q (aglycosyl)	458.3	402.9	430.6	39.2	0.2	5.9	3.1	4.0	0.7	5.0	2.9	3.0	-3.4	-7.5	-5.5	2.9	0.0	5.6	2.8	4.0	0.9	4.5	2.7	2.5	54.1	48.8	51.5	3.8	506.7	470.4	488.5	25.7

nd = sample not analysed
na = not applicable
* = point dropped due to unsatisfactory sensorgram (e.g. air bubble)
highlight = result above cut point