

FIGURE 1

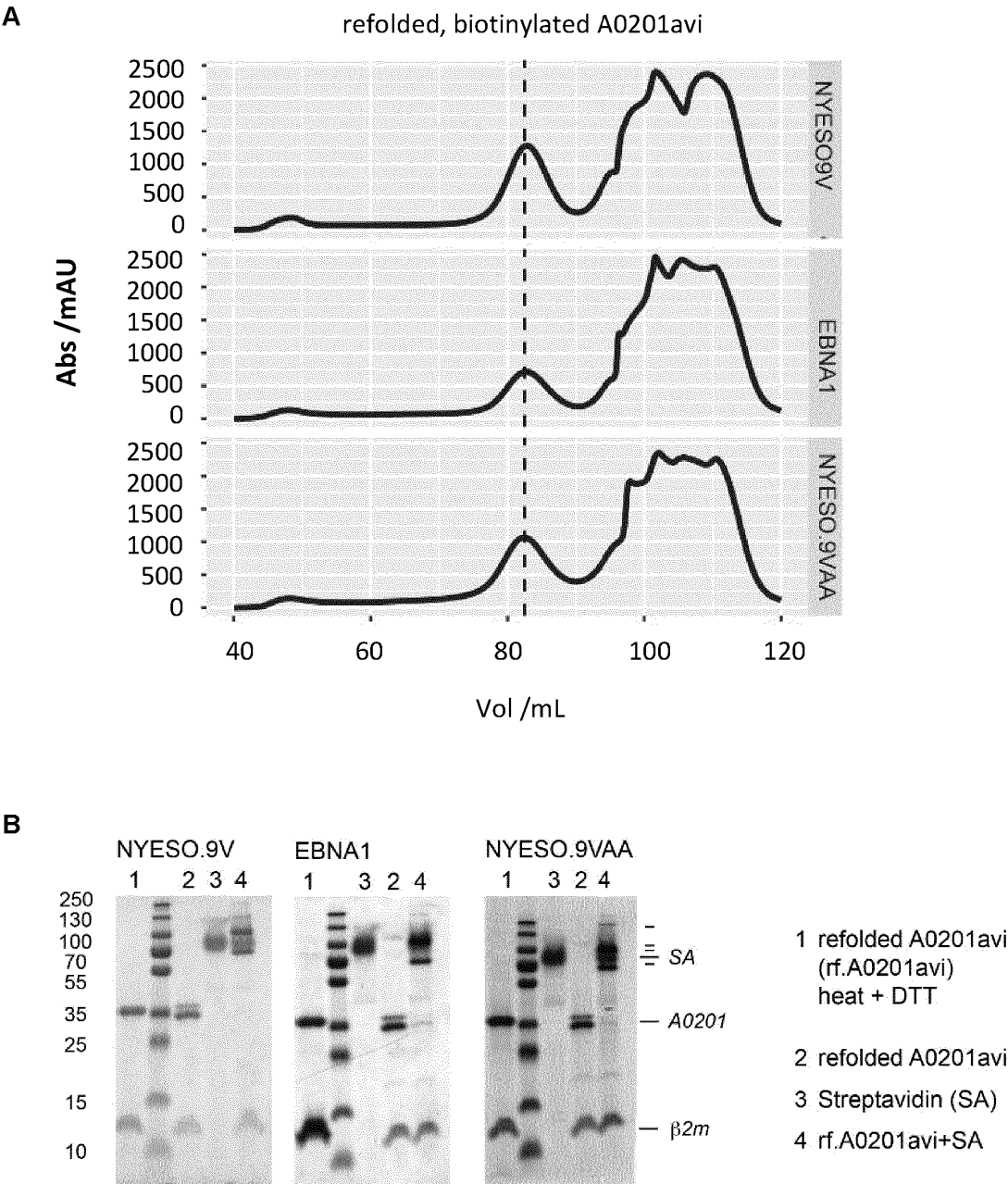


FIGURE 1 (cont.)

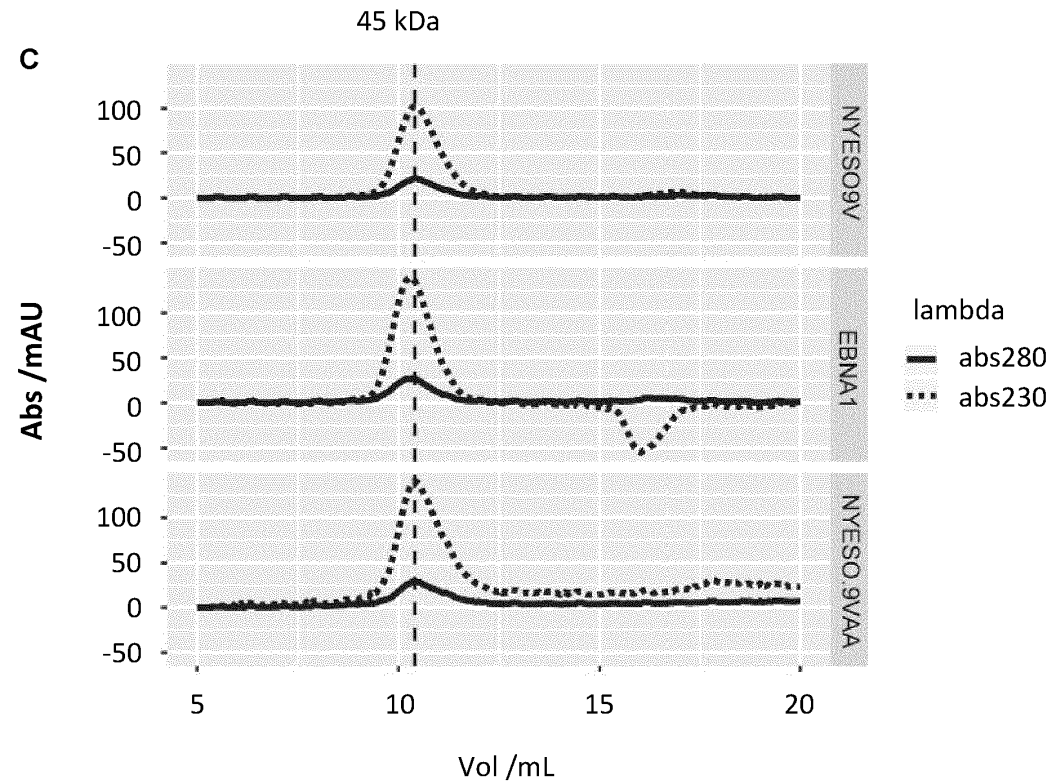


FIGURE 2

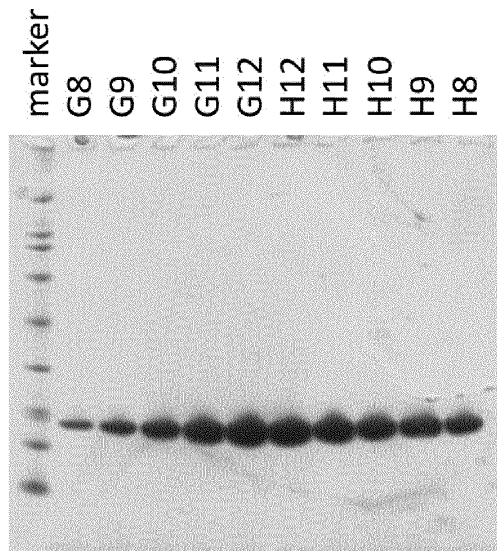
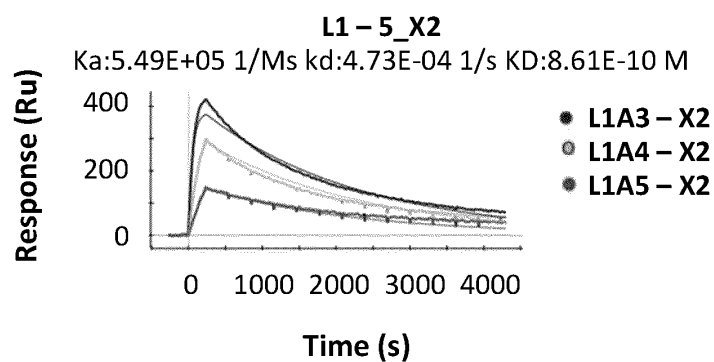
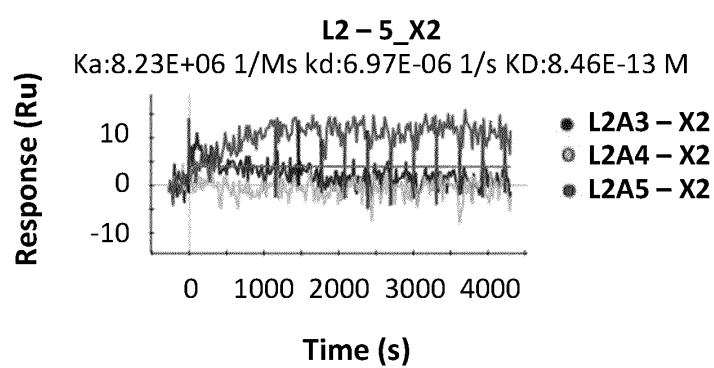


FIGURE 3

A



B



C

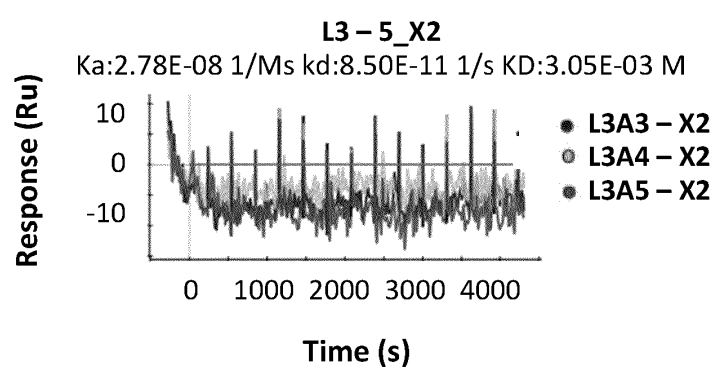
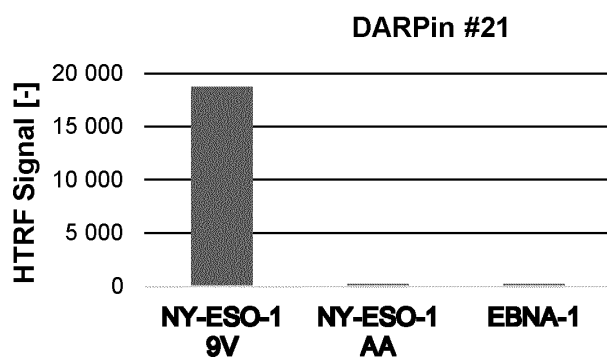


FIGURE 4

A



B

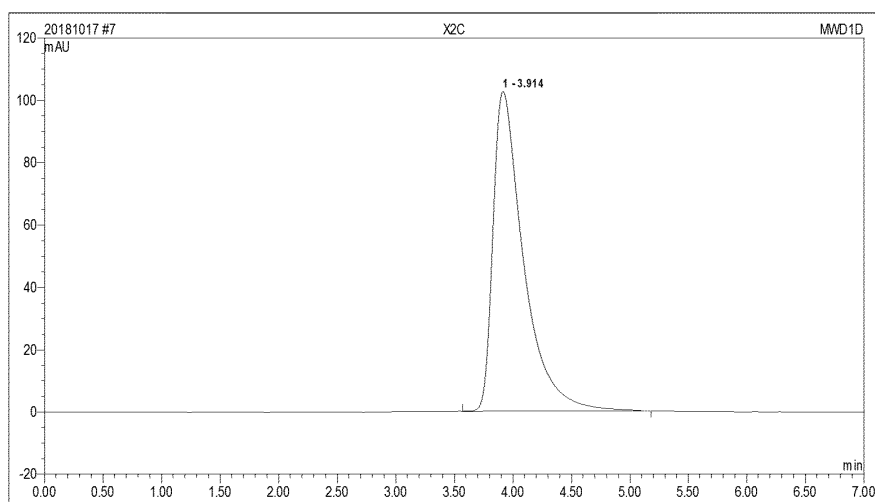
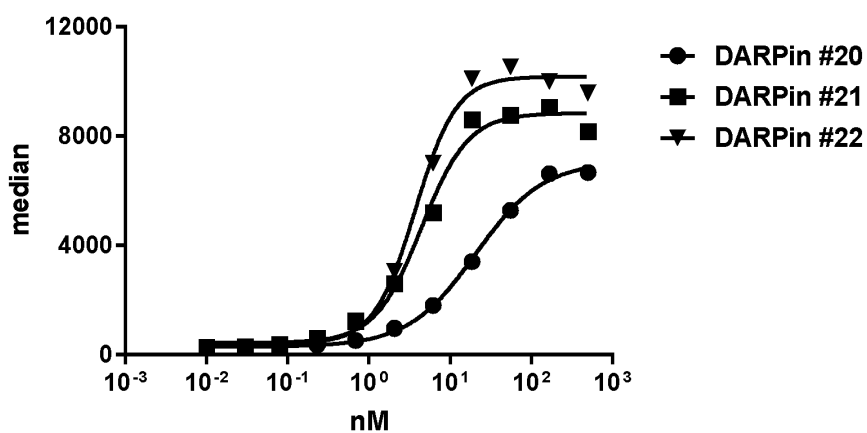
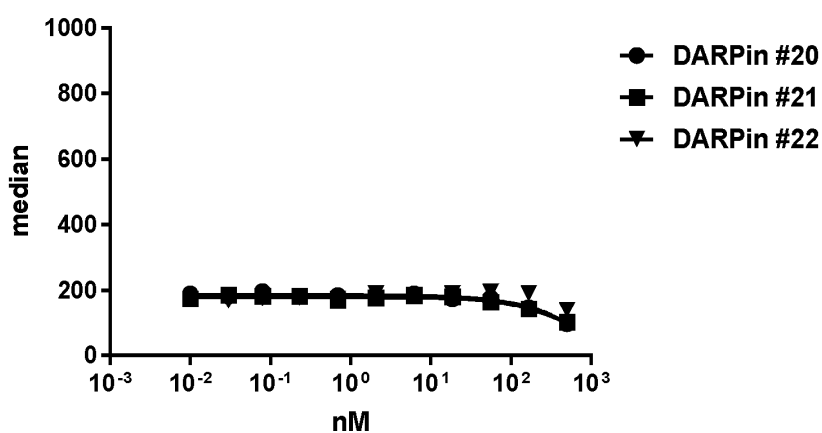


FIGURE 5

A



B



C

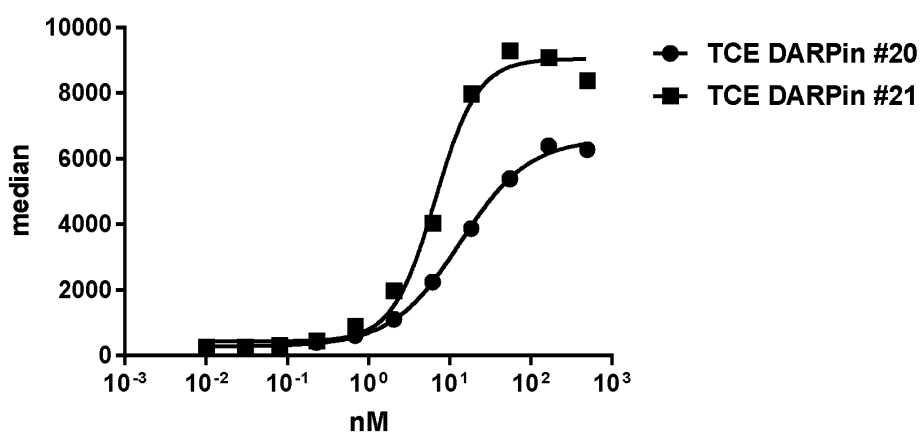
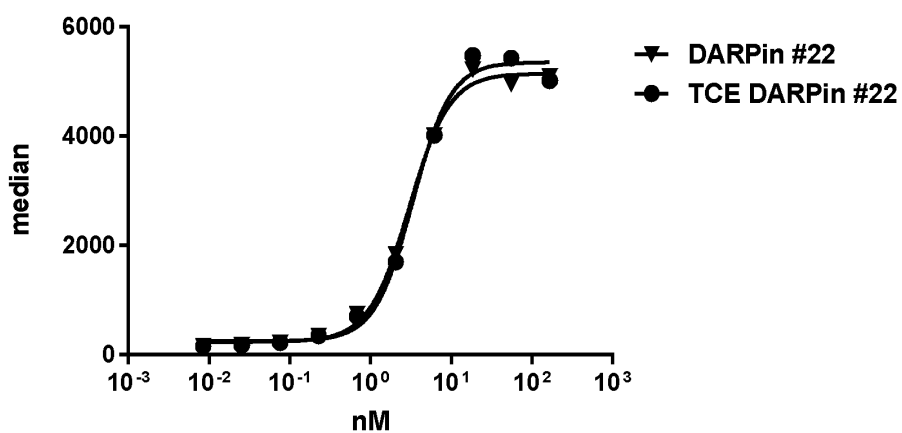
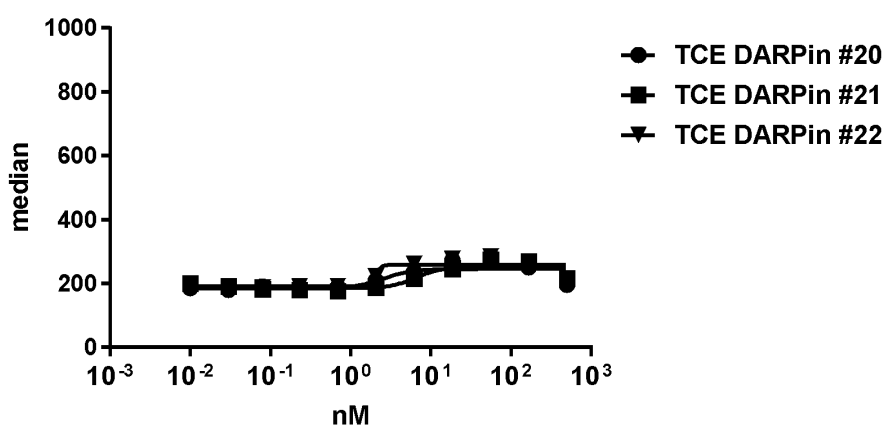


FIGURE 5 (cont.)

D



E



F

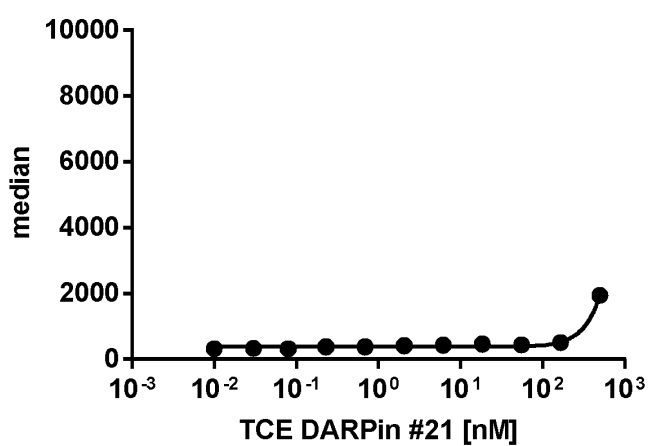
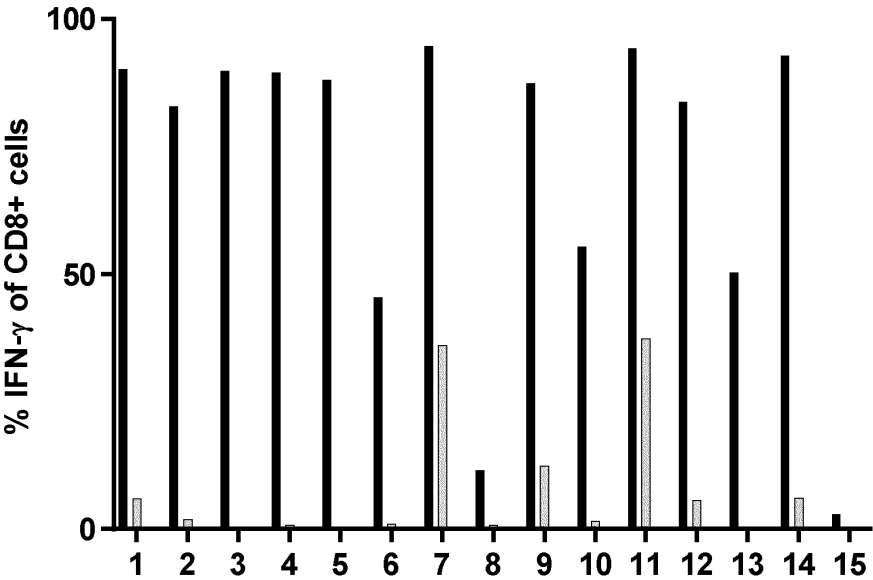
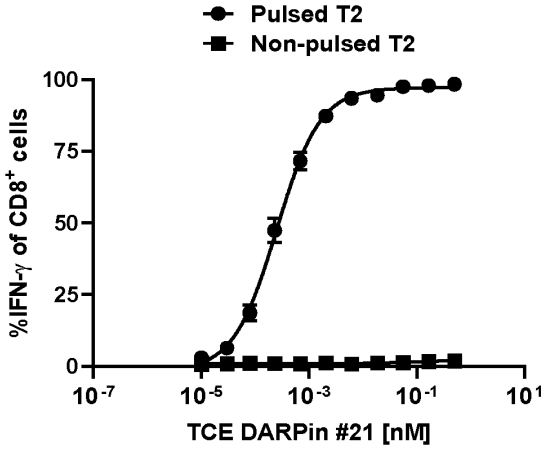


FIGURE 6

A



B



C

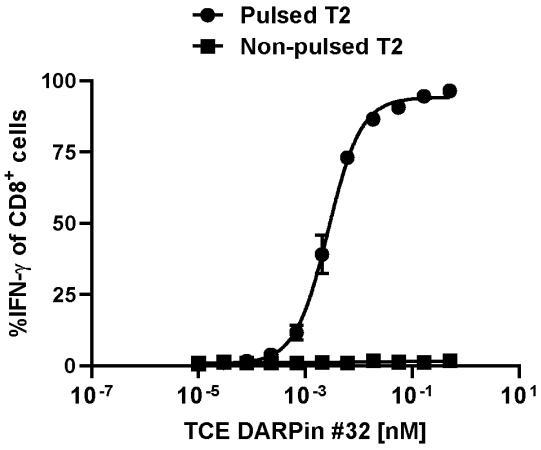


FIGURE 7

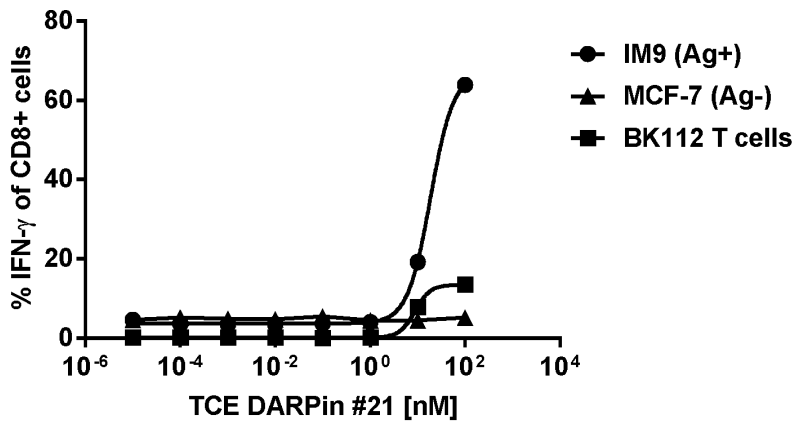
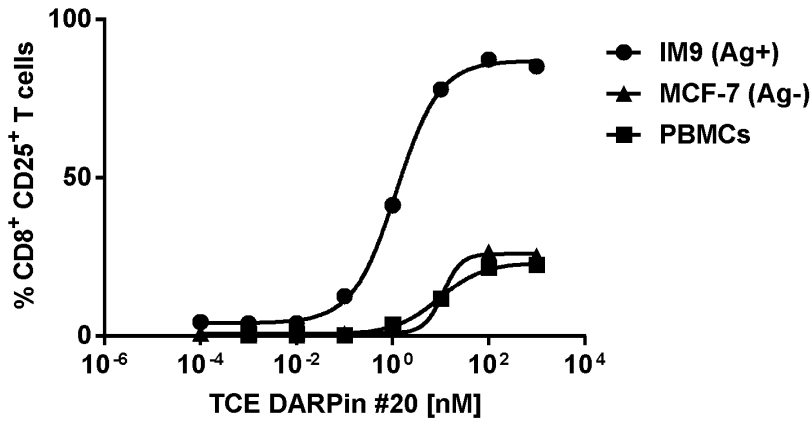


FIGURE 8

A



B

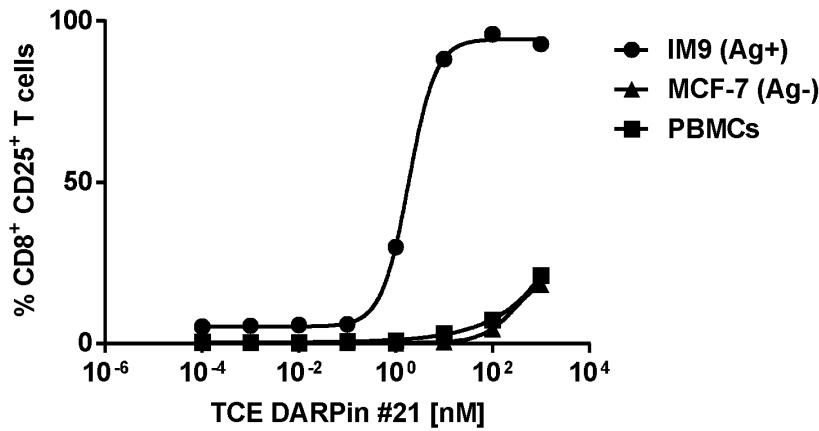
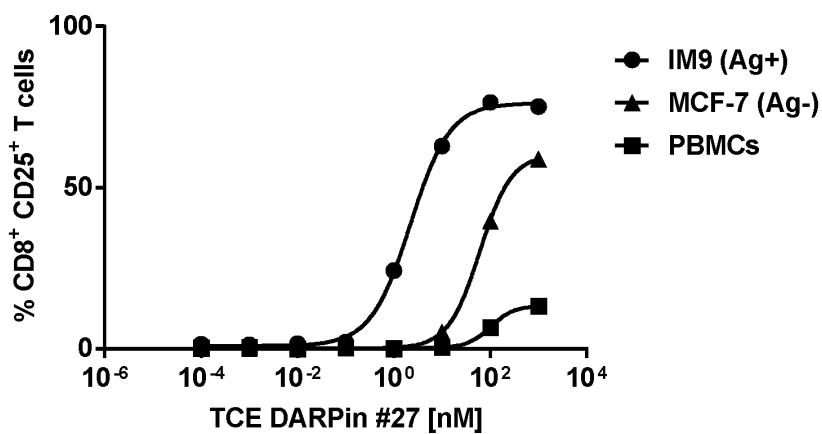
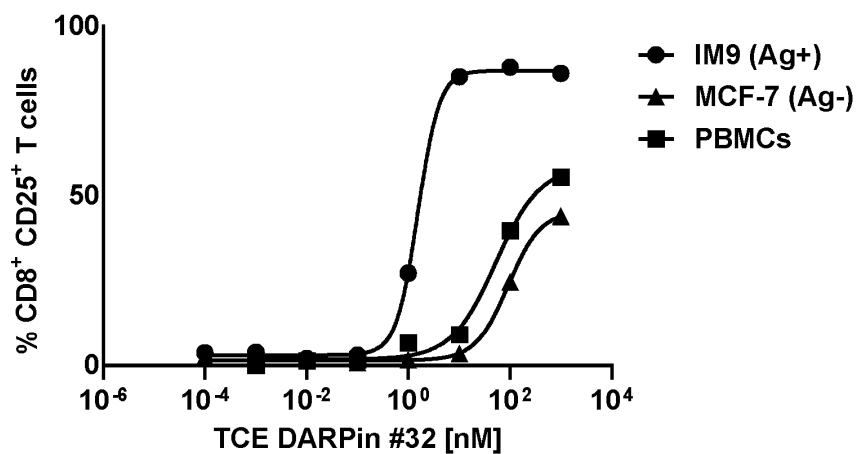


FIGURE 8 (cont.)

C



D



E

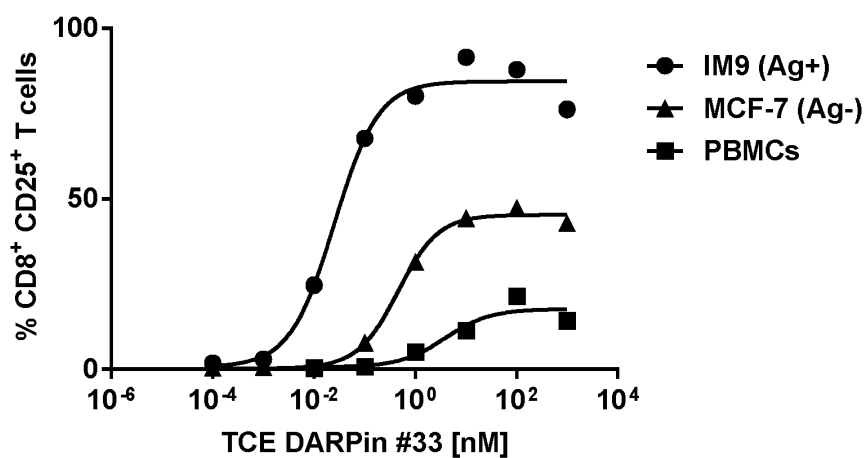
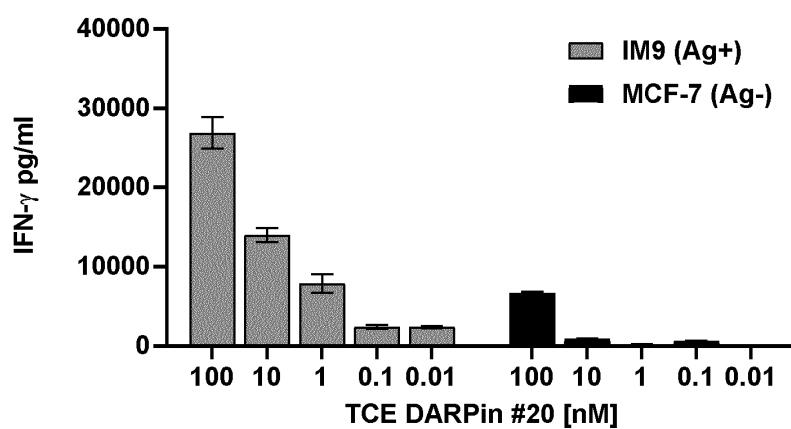
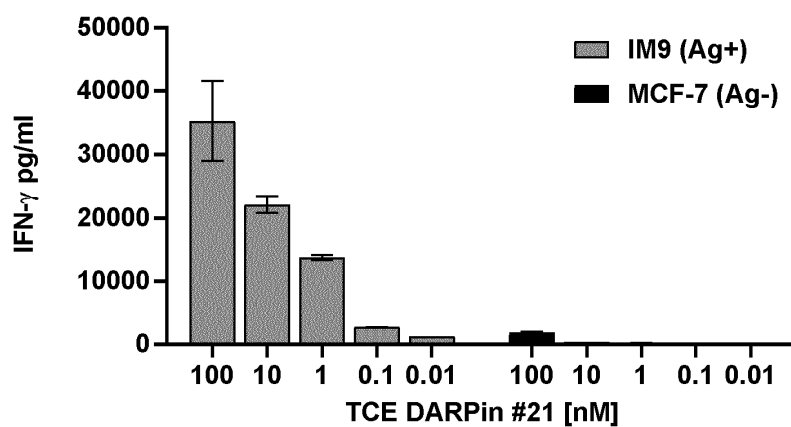


FIGURE 9

A



B



C

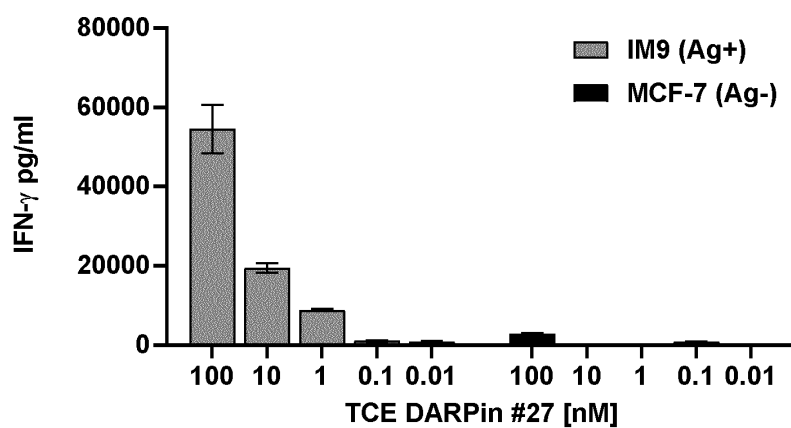
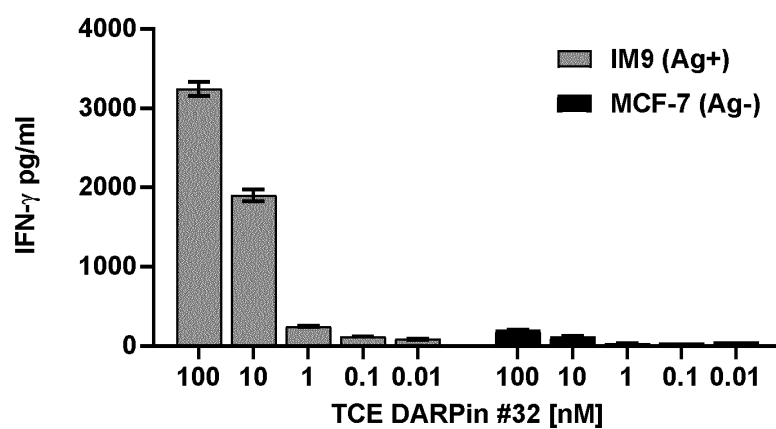


FIGURE 9 (cont.)

D



E

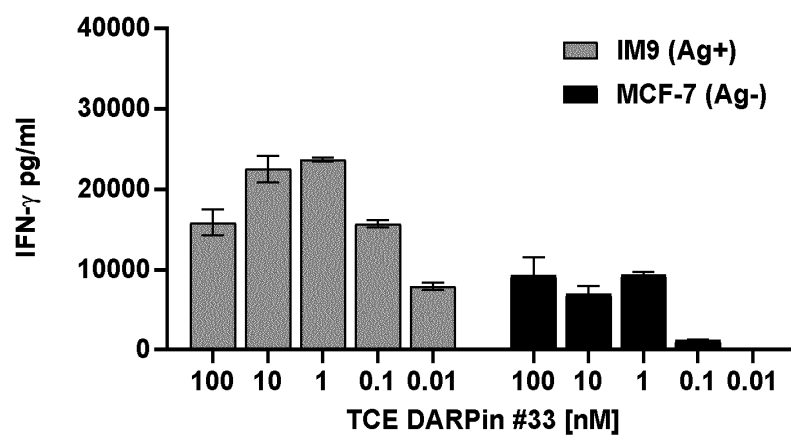
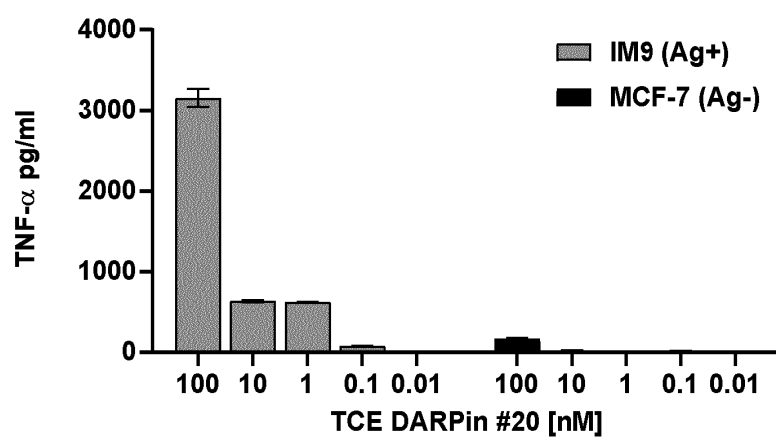
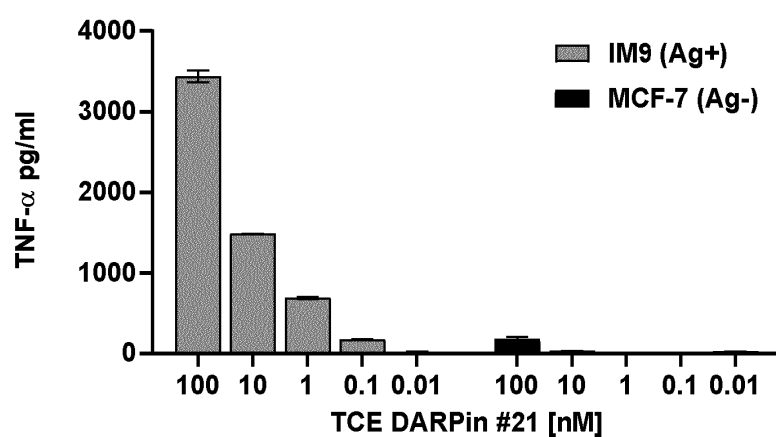


FIGURE 10

A



B



C

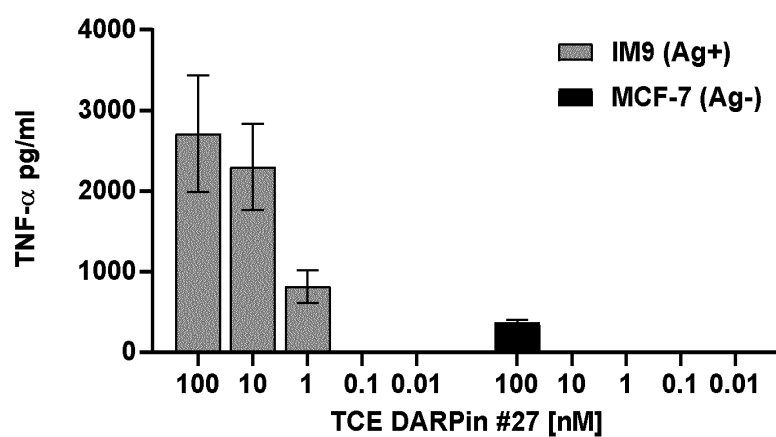
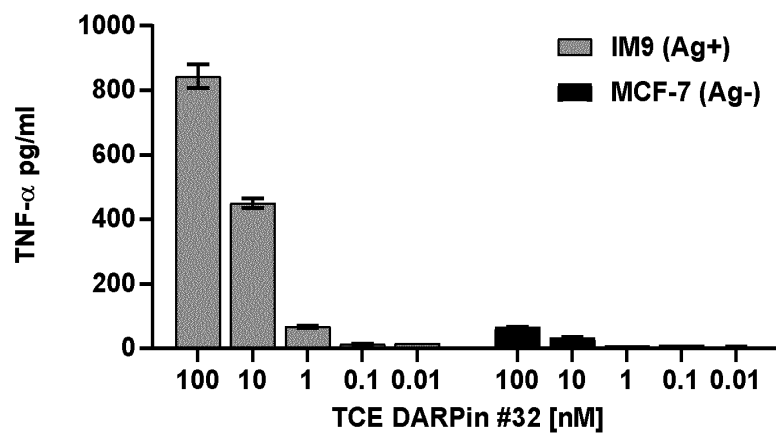


FIGURE 10 (cont.)

D



E

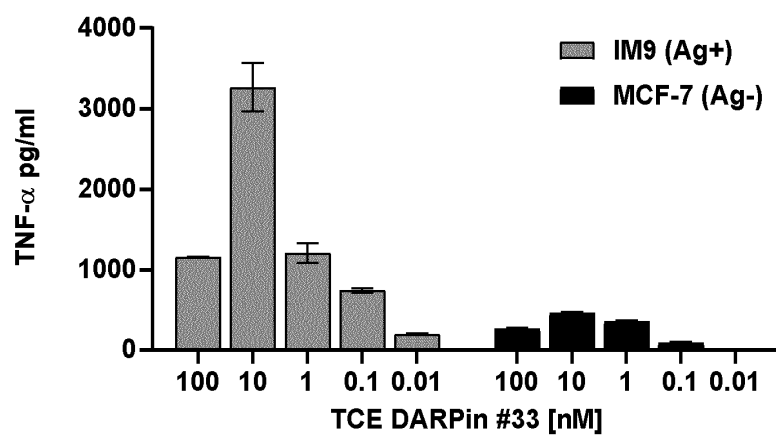
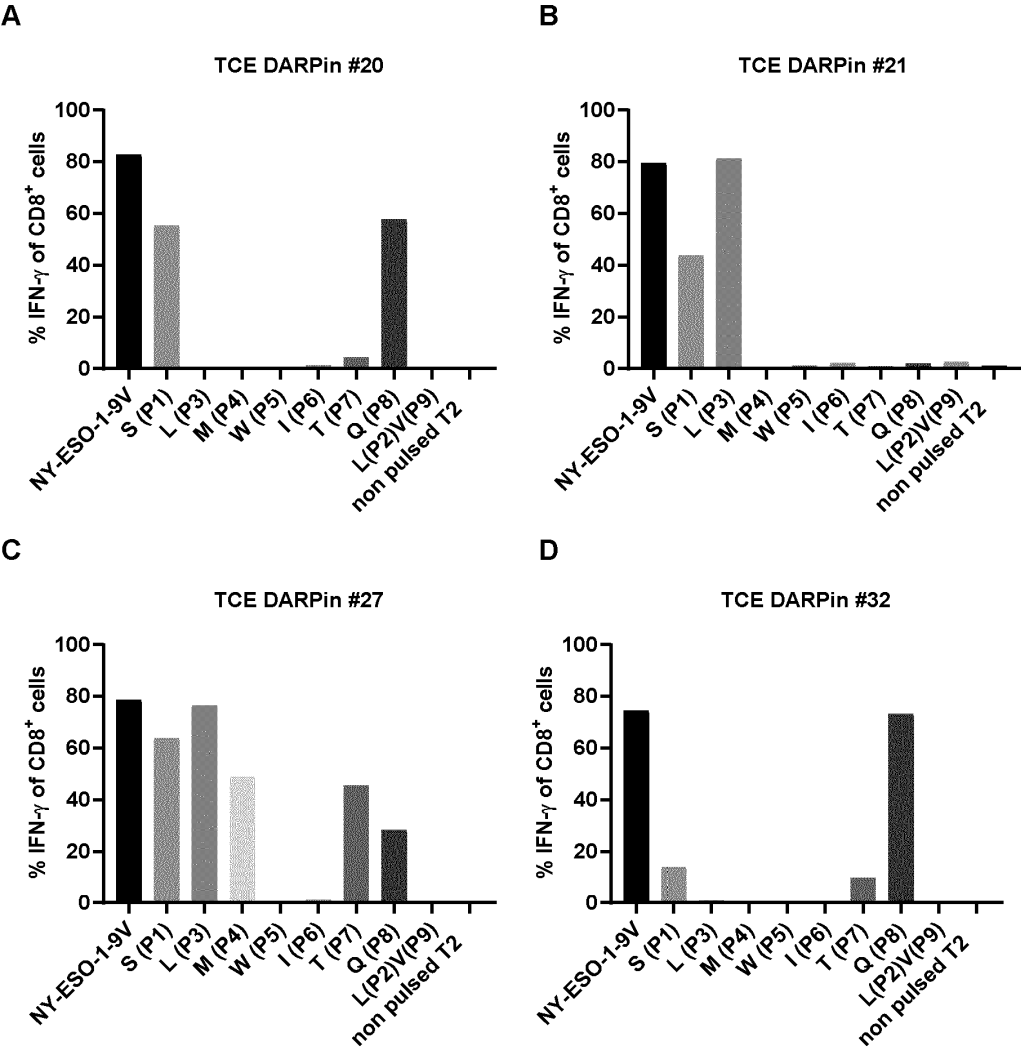


FIGURE 11



E

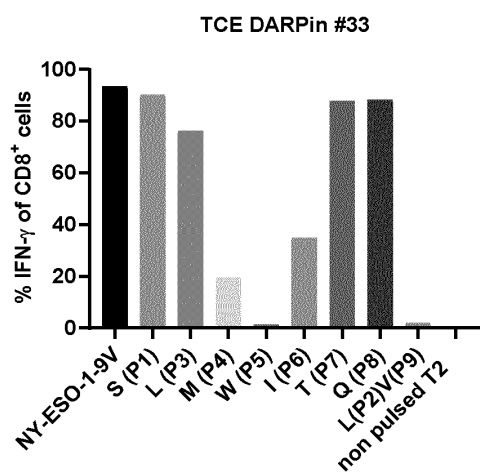


FIGURE 12

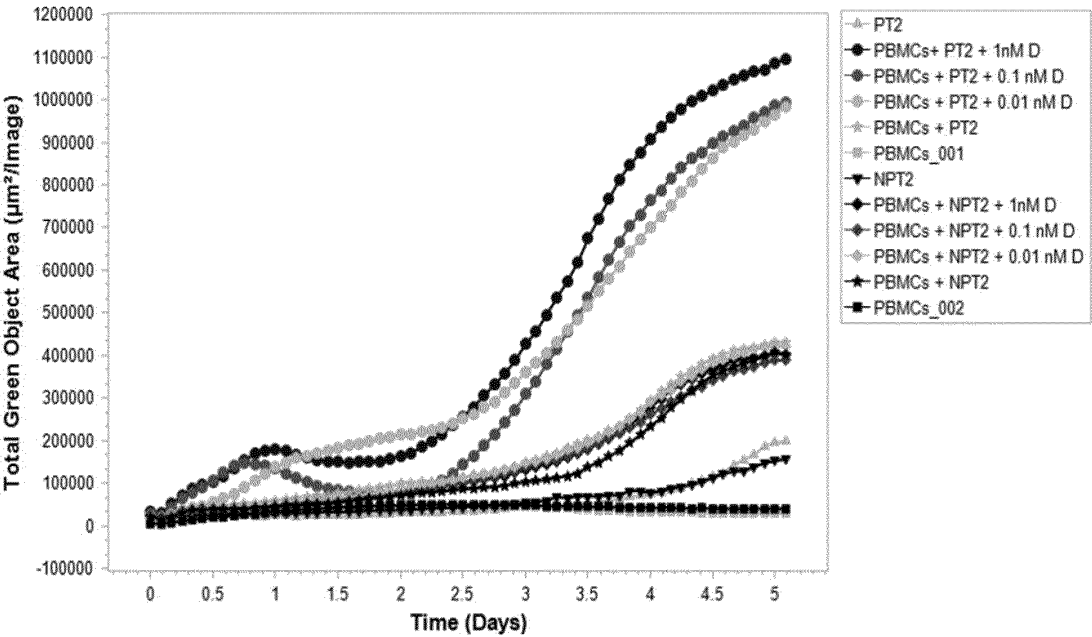


FIGURE 13

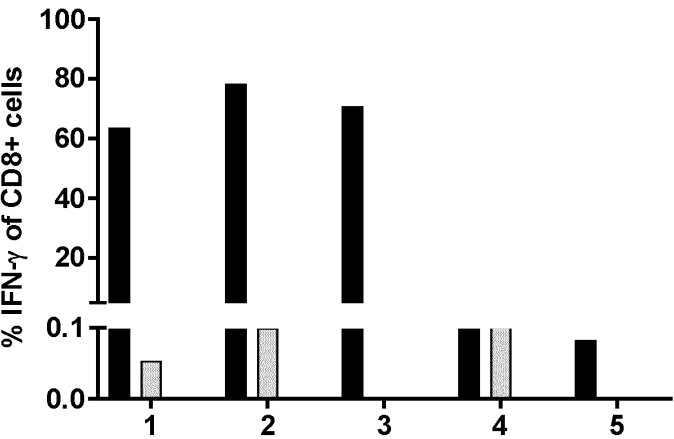
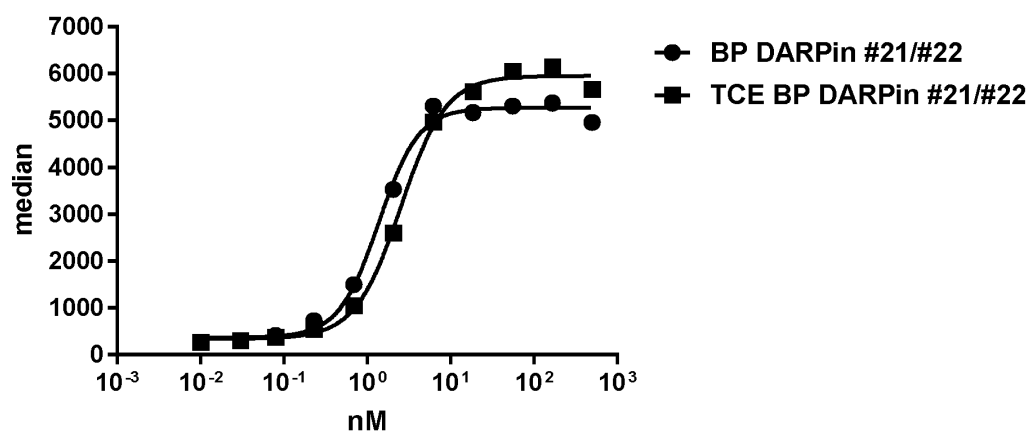


FIGURE 14

A



B

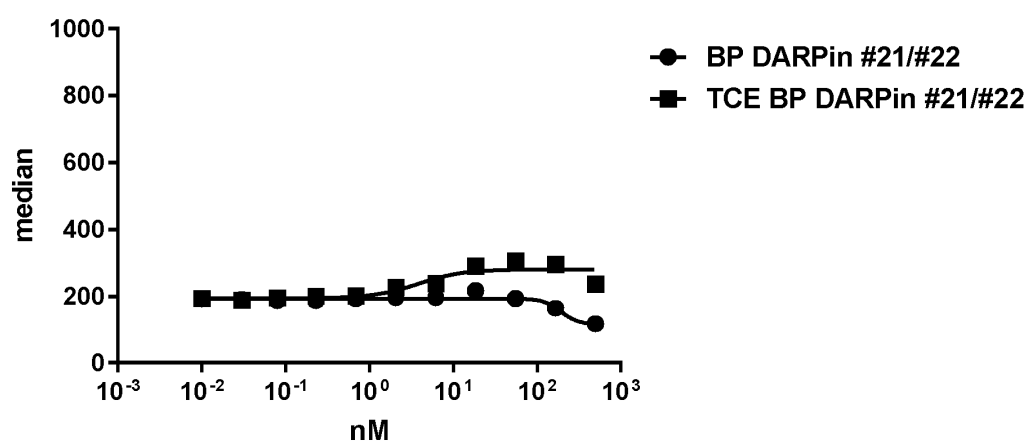
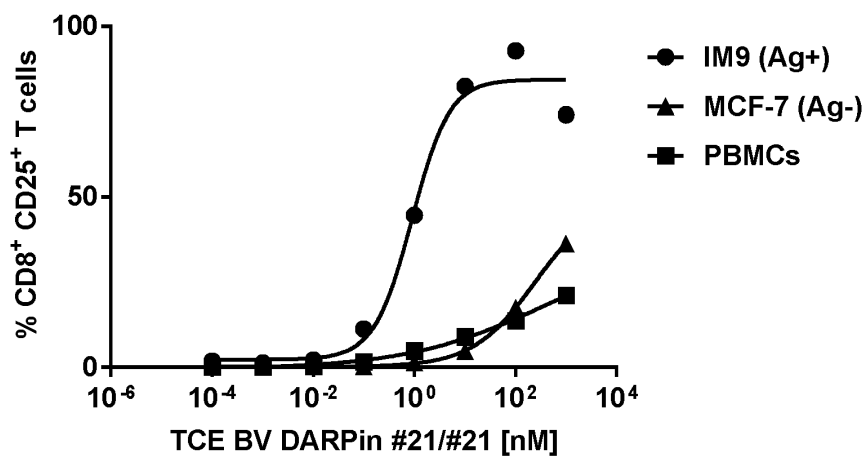


FIGURE 15

A



B

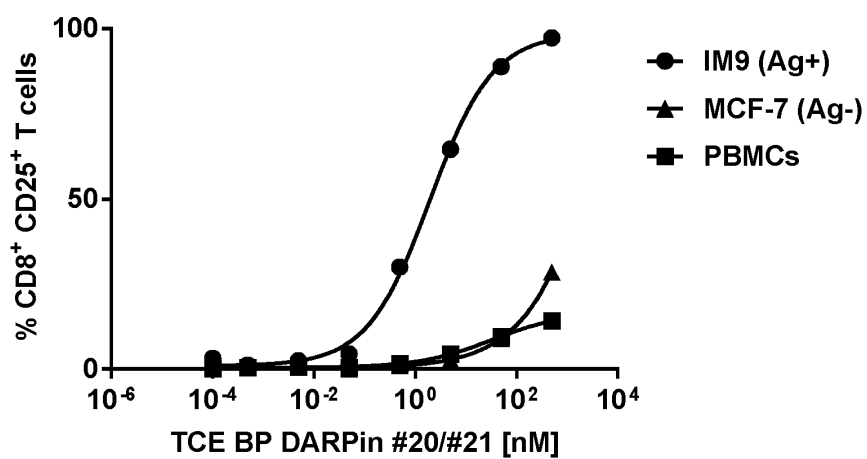
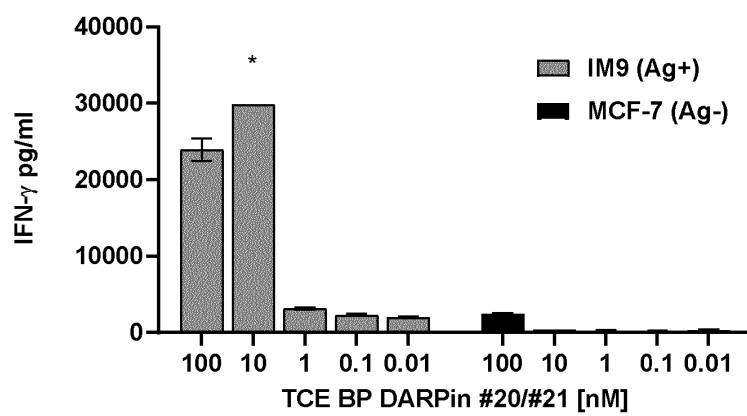


FIGURE 16

A



B

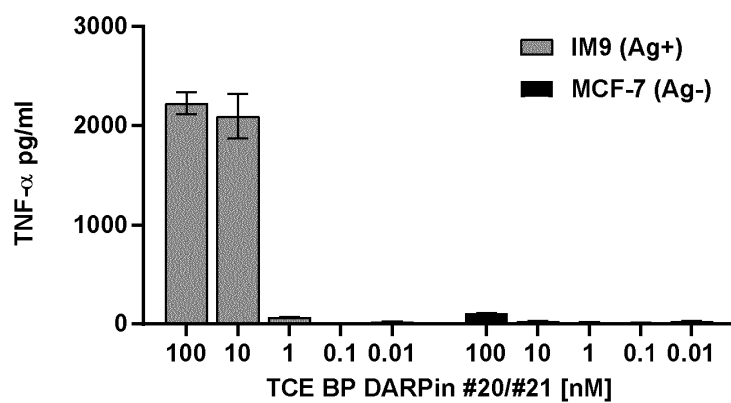


FIGURE 17

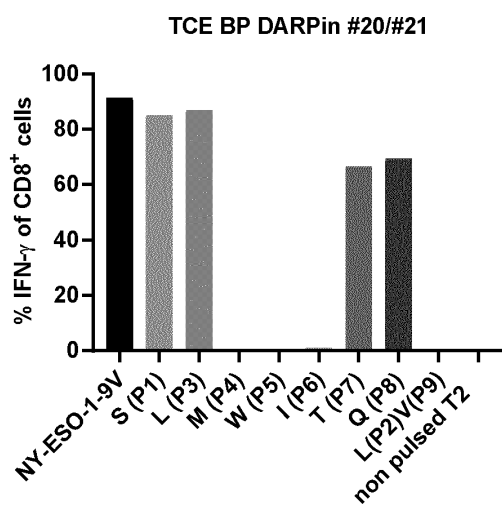


FIGURE 18

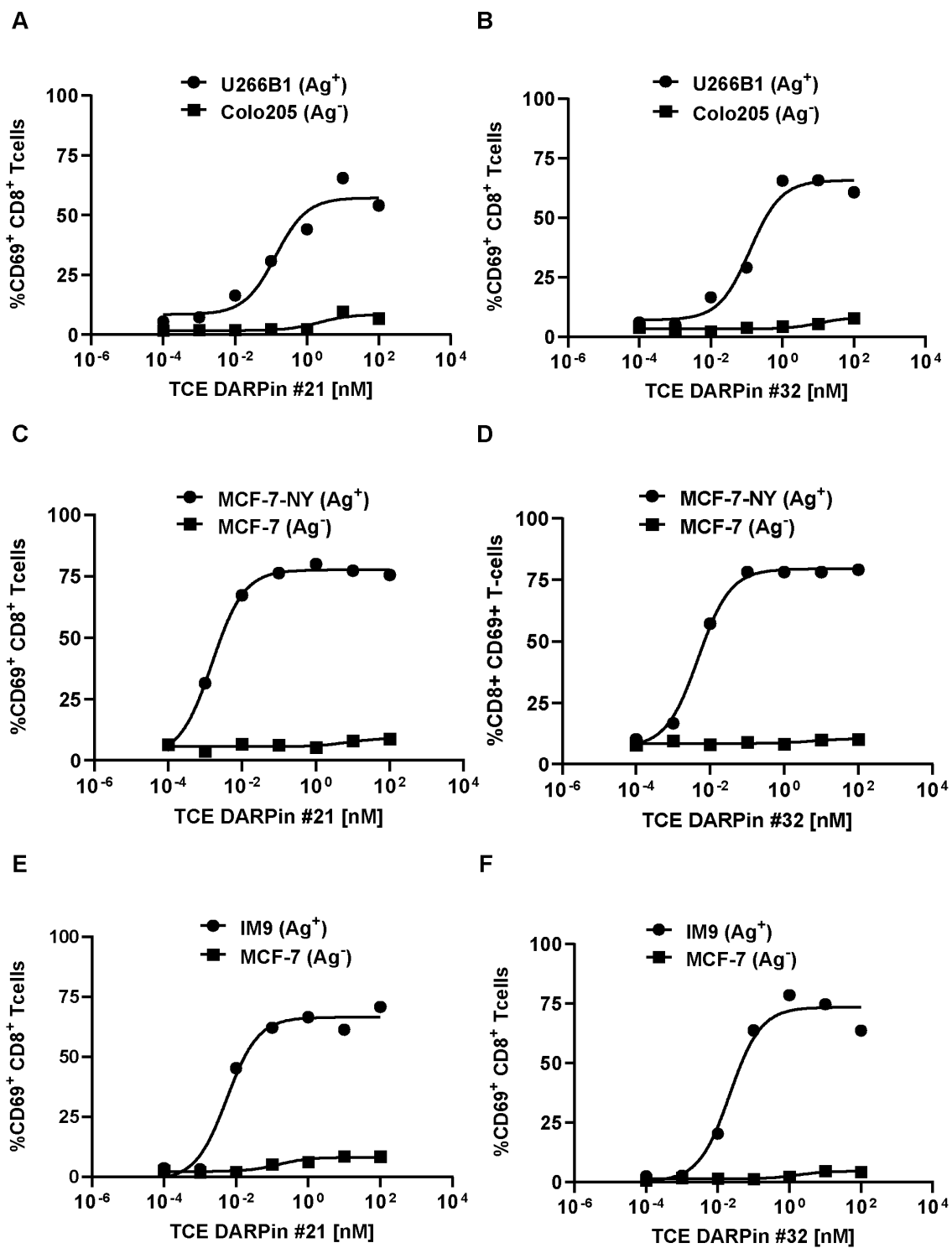


FIGURE 19

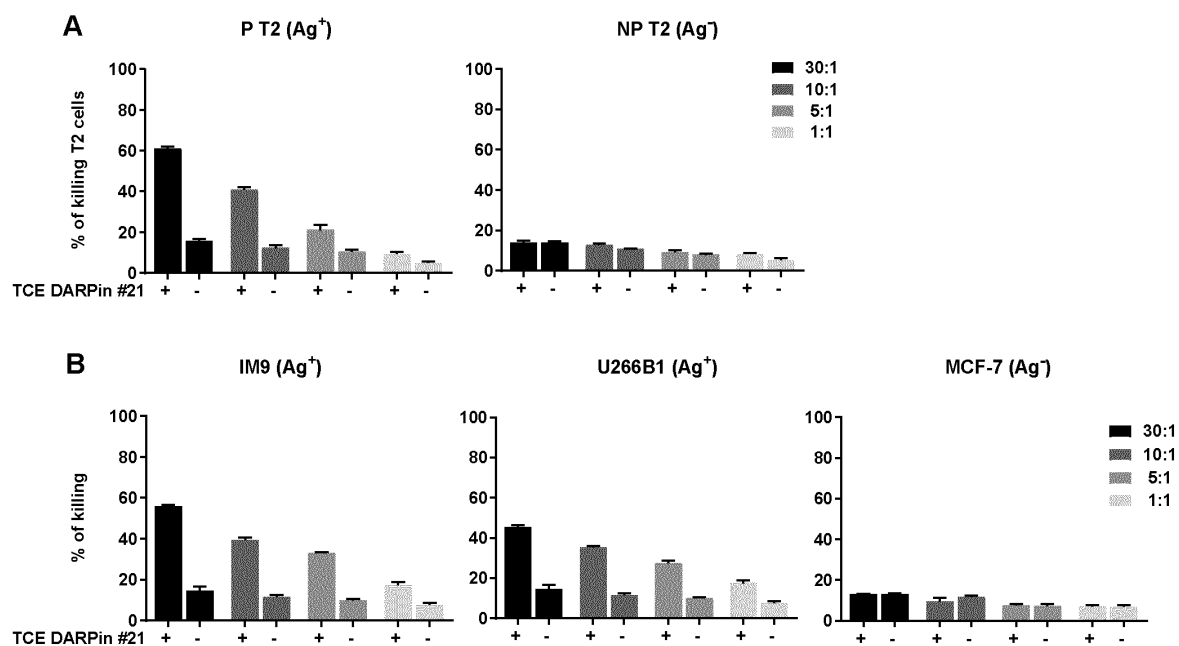


FIGURE 20

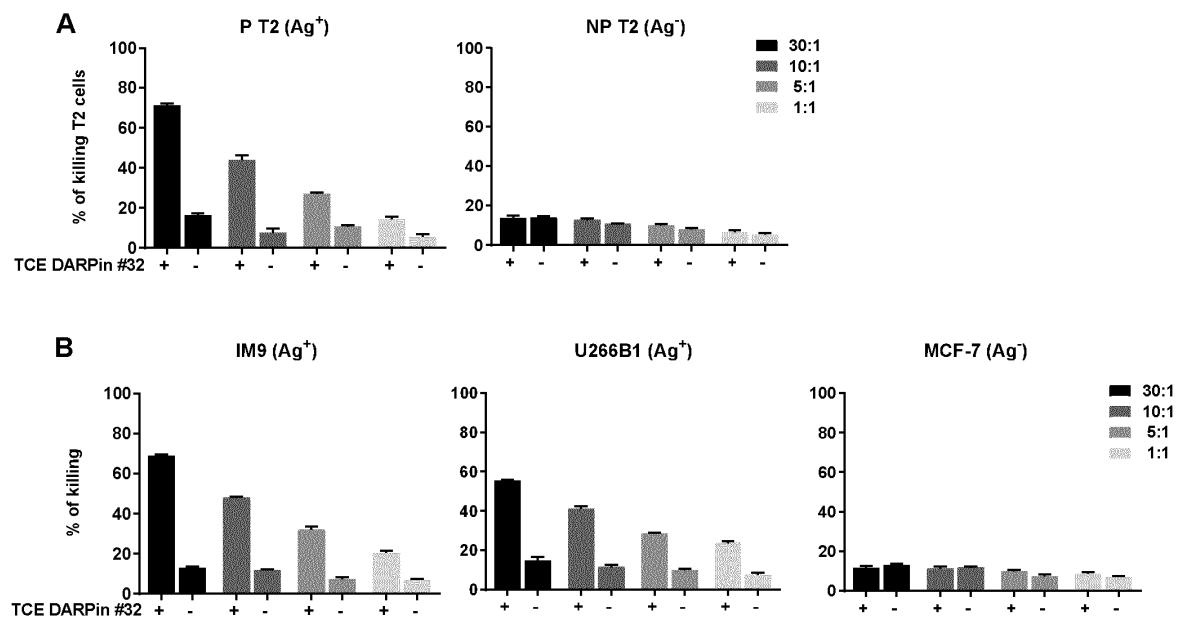


FIGURE 21

A

Position	WT	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
P1	S	89.7	94.3	0.5	27.4	72.5	103.1	43.0	69.0	13.3	30.1	79.3	77.9	9.3	69.2	76.3	100.0	107.5	113.8	114.4	111.7
P2	L	53.0	81.8	2.5	0.3	12.1	0.2	0.3	101.3	6.5	100.0	105.4	0.1	0.4	59.9	0.4	0.9	15.6	90.6	0.3	0.3
P3	L	96.1	52.9	96.7	3.5	70.4	39.0	70.0	98.7	2.8	100.0	97.0	93.9	44.2	95.9	0.1	37.7	86.8	75.4	102.6	4.6
P4	M	0.3	1.3	0.1	19.0	34.3	0.4	0.0	95.7	3.0	82.9	100.0	1.1	0.3	13.8	11.2	0.1	98.3	29.3	24.5	2.2
P5	W	0.1	0.2	0.1	0.2	16.4	0.1	0.1	0.3	0.3	0.4	1.0	0.4	0.1	0.1	0.0	0.1	0.2	0.0	100.0	0.2
P6	I	0.1	1.3	0.0	0.0	84.1	0.1	0.3	100.0	0.6	45.4	54.7	0.0	1.0	0.1	0.0	0.4	17.4	113.8	0.2	6.7
P7	T	5.5	32.1	0.1	24.8	114.6	0.3	13.0	95.3	1.0	93.3	102.4	14.1	1.6	78.1	82.3	75.2	100.0	74.8	7.3	52.7
P8	Q	23.1	0.2	0.0	17.8	0.1	20.2	0.7	0.2	0.6	3.4	0.9	0.1	0.1	100.0	0.1	12.6	57.1	3.7	0.3	0.2
P9	V	89.4	39.7	0.4	0.7	0.3	11.2	0.7	94.6	1.0	21.0	1.0	1.0	1.1	0.4	0.7	5.3	42.3	100.0	0.8	0.4

B

Position	WT	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
P1	S	78.1	73.6	27.7	29.5	68.3	2.0	57.2	69.6	0.6	13.1	81.1	109.9	64.9	97.9	35.2	100.0	110.7	108.4	106.8	93.2
P2	L	0.4	0.8	0.2	0.3	39.4	0.2	0.5	105.1	0.1	100.0	52.5	0.1	2.2	0.3	0.6	0.3	1.8	79.9	57.2	0.2
P3	L	0.3	0.1	0.4	0.2	0.6	0.3	0.1	110.2	0.0	100.0	83.4	0.1	2.5	48.6	0.5	0.6	0.2	71.3	20.2	0.1
P4	M	0.4	0.5	0.2	0.3	2.0	0.1	0.4	65.5	0.3	16.8	100.0	0.3	1.1	1.0	0.5	0.5	0.6	0.5	0.5	0.4
P5	W	0.3	0.1	0.4	0.3	13.7	0.6	0.4	1.3	1.5	1.0	2.1	0.7	0.3	0.3	0.3	0.3	0.3	0.5	100.0	0.7
P6	I	2.1	4.8	0.1	0.2	74.6	1.6	0.8	100.0	1.3	102.3	75.0	1.2	107.4	0.1	0.6	4.8	0.2	98.5	36.6	0.0
P7	T	57.7	93.2	0.3	11.4	106.5	107.8	0.4	96.0	0.3	108.5	124.0	76.2	15.1	108.5	102.2	92.0	100.0	100.8	19.6	9.4
P8	Q	122.6	95.6	120.6	122.2	43.9	126.9	124.2	13.4	123.8	98.1	107.1	100.8	113.3	100.0	51.9	113.0	120.7	104.6	108.9	99.6
P9	V	104.1	86.1	16.8	0.4	76.4	56.3	1.9	104.0	1.8	95.1	24.5	27.4	4.6	10.3	0.4	56.8	56.2	100.0	0.9	0.1

FIGURE 22

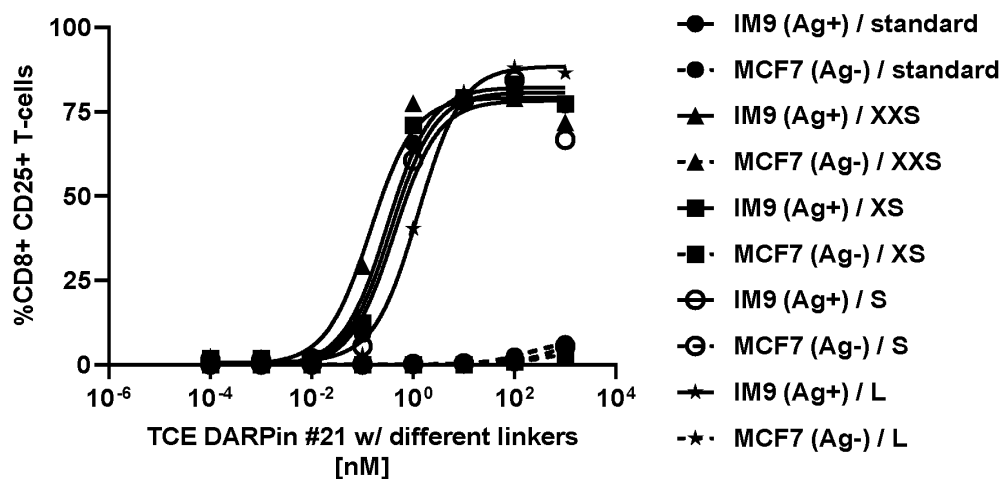


FIGURE 23

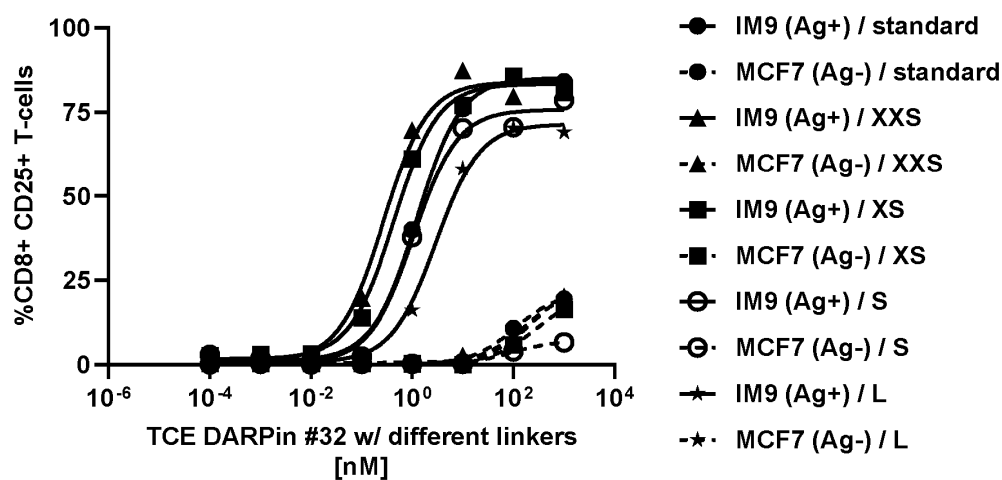


FIGURE 24

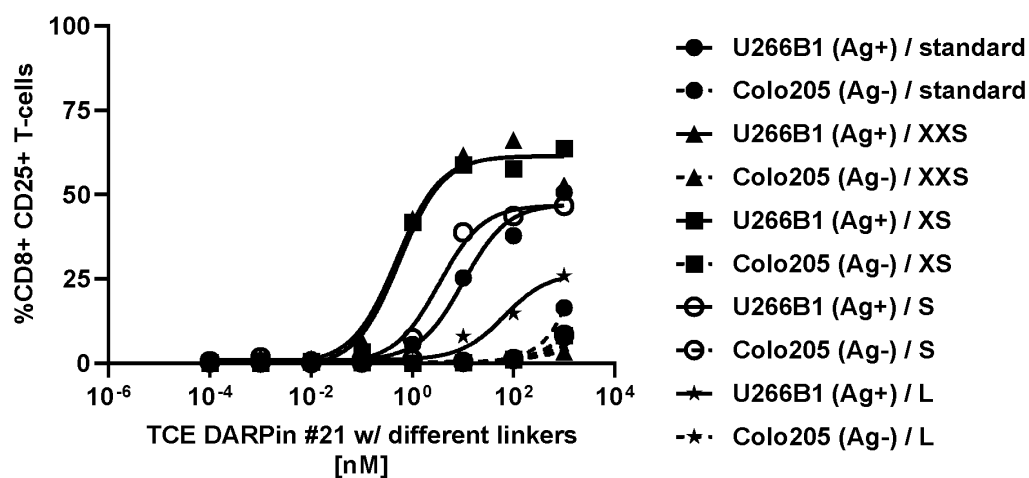


FIGURE 25

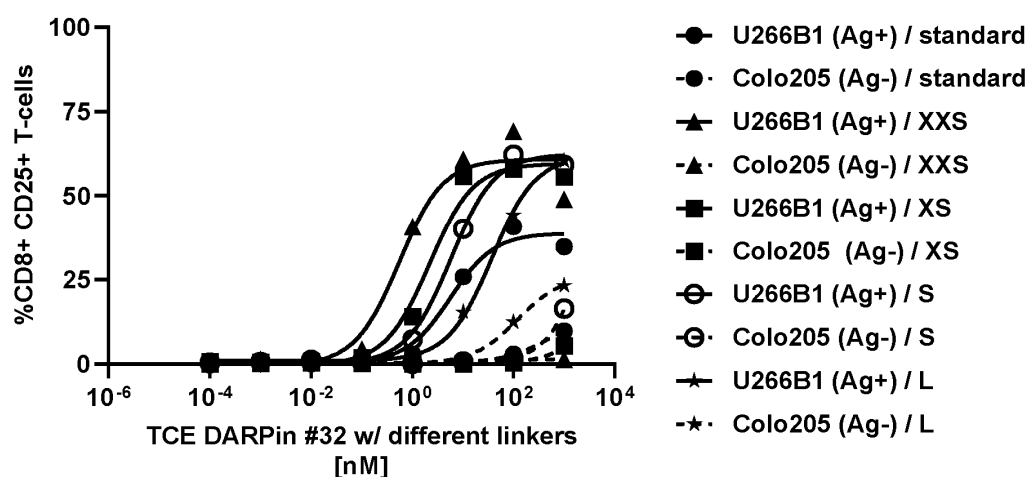


Fig. 26a

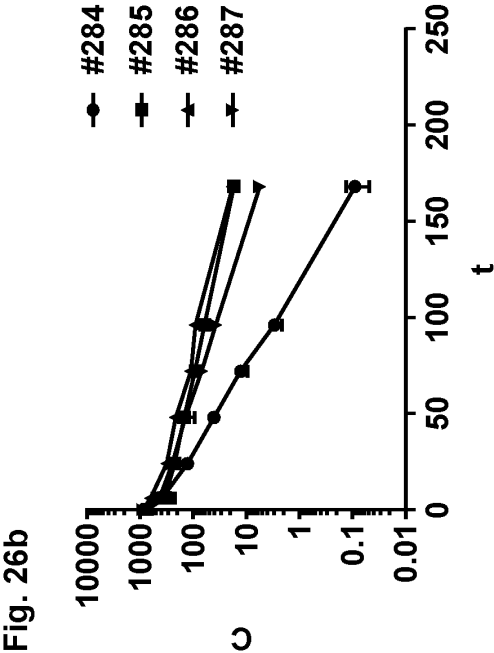
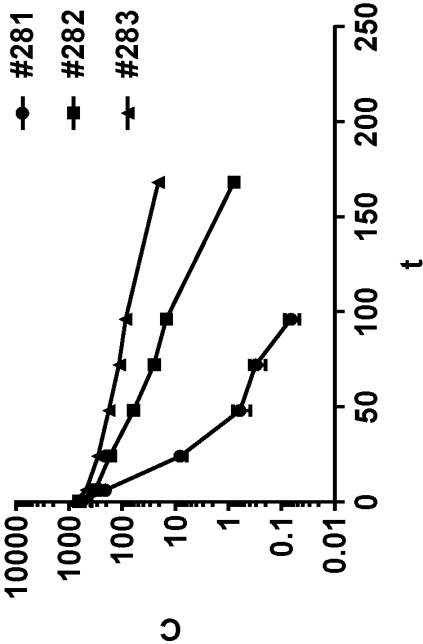


Fig. 26d

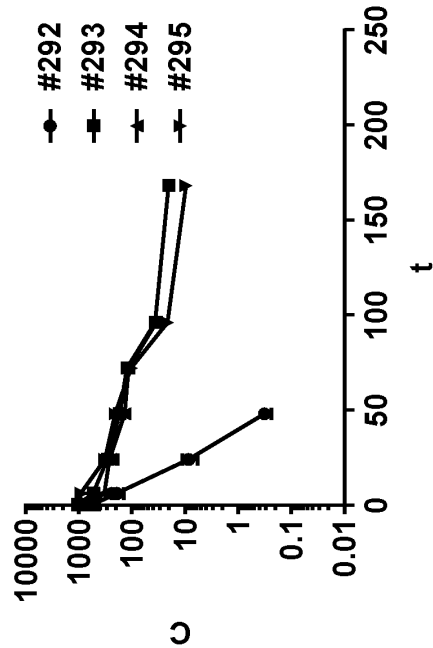


Fig. 26c

