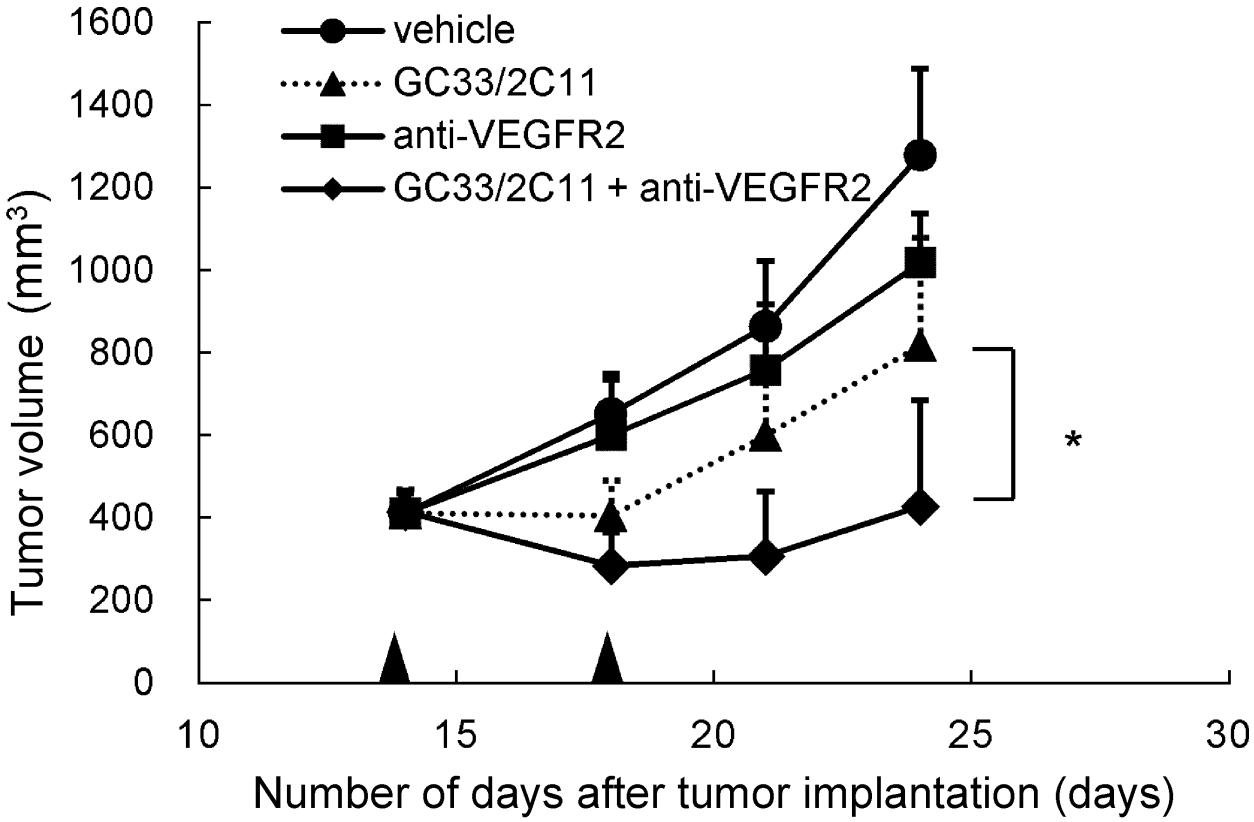

1600
1400
1200
1000
800
600
400
200
0
Tumor volume (mm3)
vehicle
GC33/2C11
anti-VEGFR2
GC33/2C11 + anti-VEGFR2
*
10
15
20
25
30
Number of days after tumor implantation (days)

FIG. 1

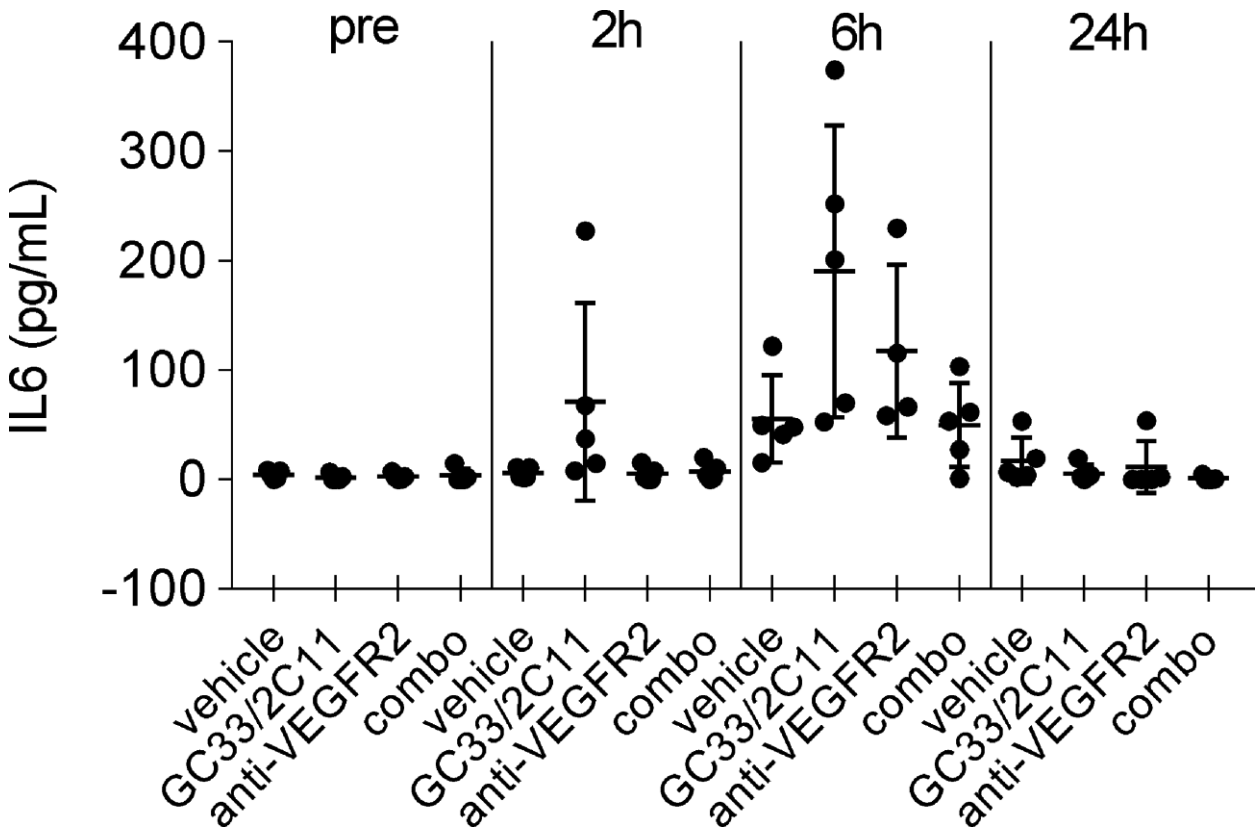

pre
2h
6h
24h
400
300
200
100
0
-100
IL6 (pg/mL)
vehicle
GC33/2C11
anti-VEGFR2
combo

FIG. 2A

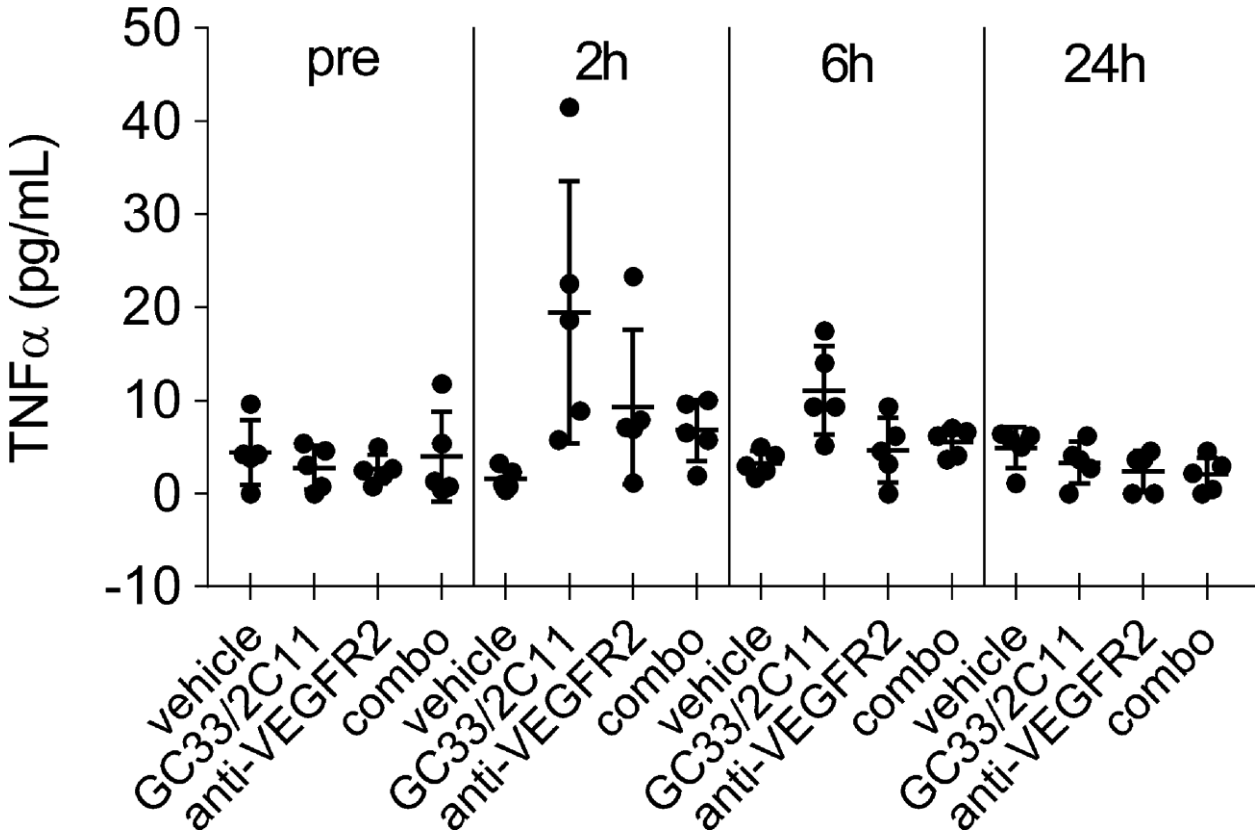

TNFα (pg/mL)
50
40
30
20
10
0
-10
pre
2h
6h
24h
vehicle
GC33/2C11
anti-VEGFR2
combo

FIG. 2B

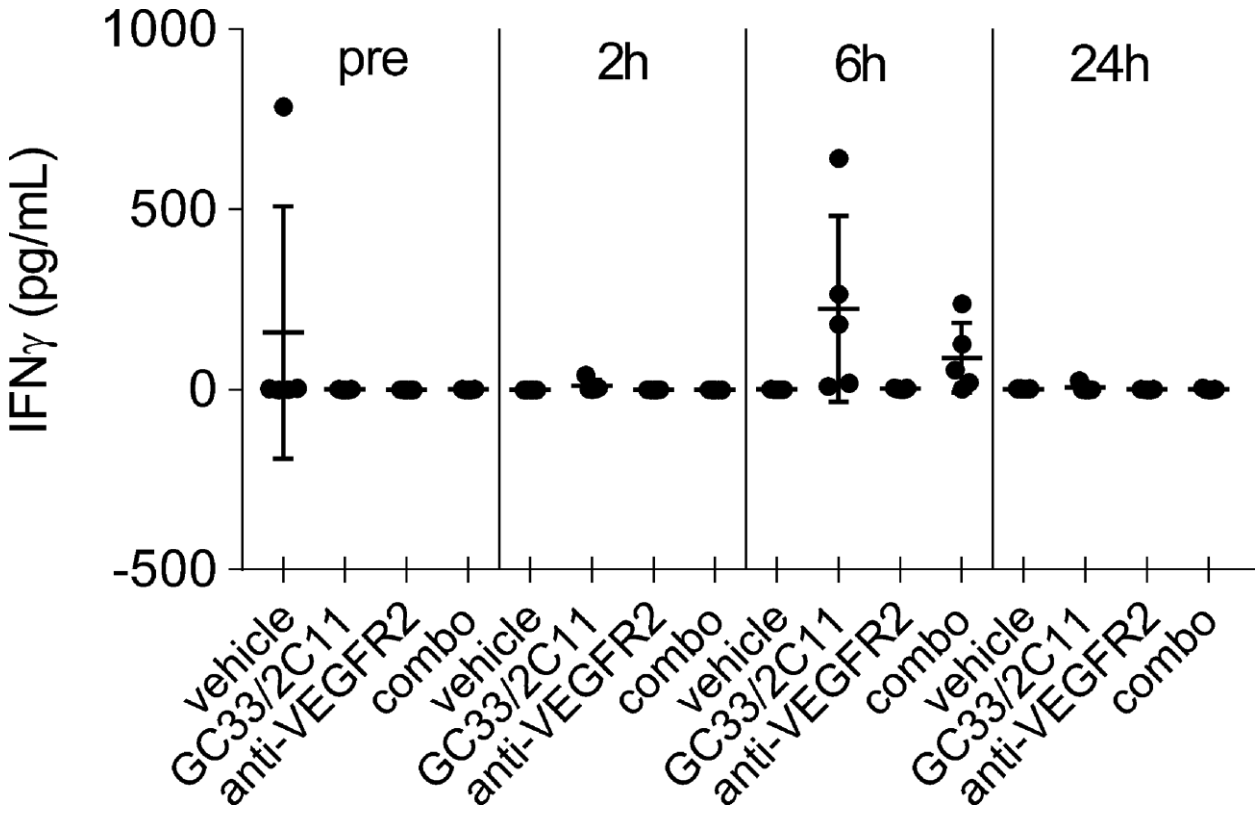

1000
500
0
-500
IFNγ (pg/mL)
pre
2h
6h
24h
vehicle
GC33/2C11
anti-VEGFR2
combo

FIG. 2C

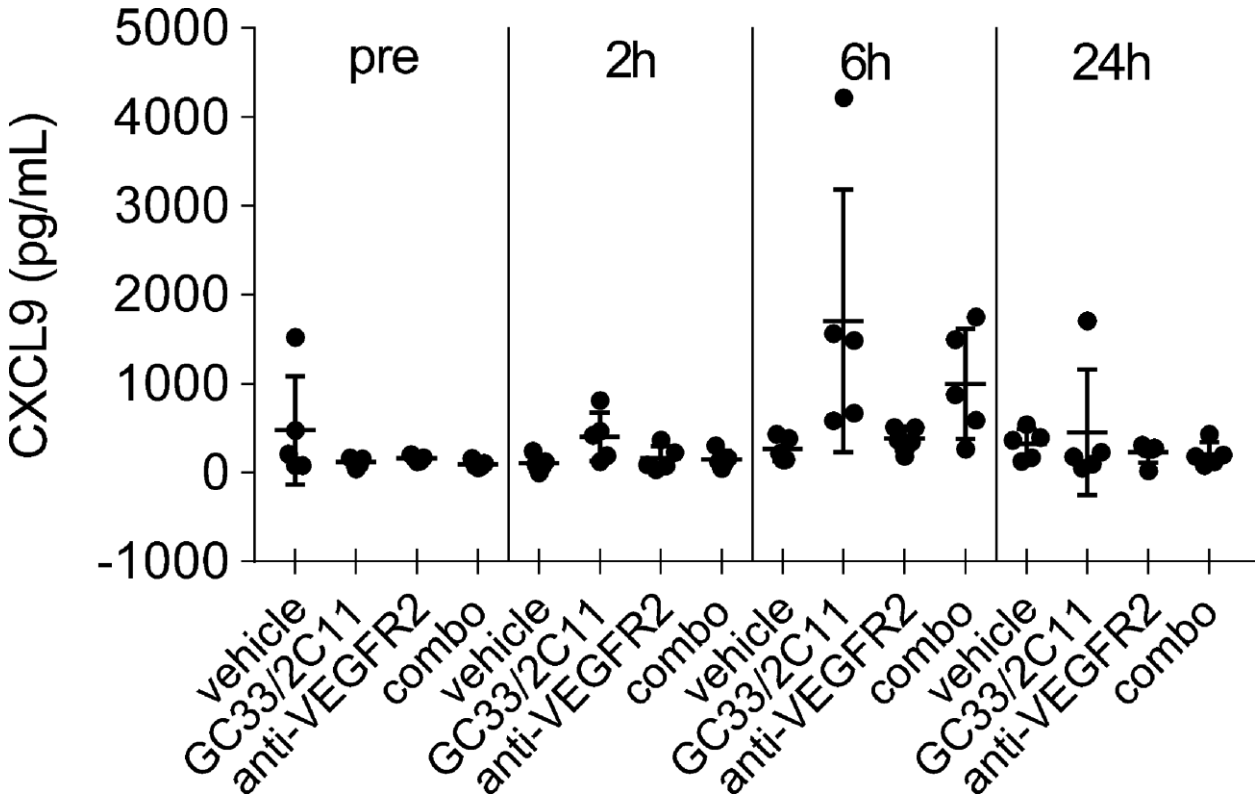

5000
4000
3000
2000
1000
0
-1000
CXCL9 (pg/mL)
pre
2h
6h
24h
vehicle
GC33/2C11
anti-VEGFR2
combo
vehicle
GC33/2C11
anti-VEGFR2
combo
vehicle
GC33/2C11
anti-VEGFR2
combo
vehicle
GC33/2C11
anti-VEGFR2
combo

FIG. 2D

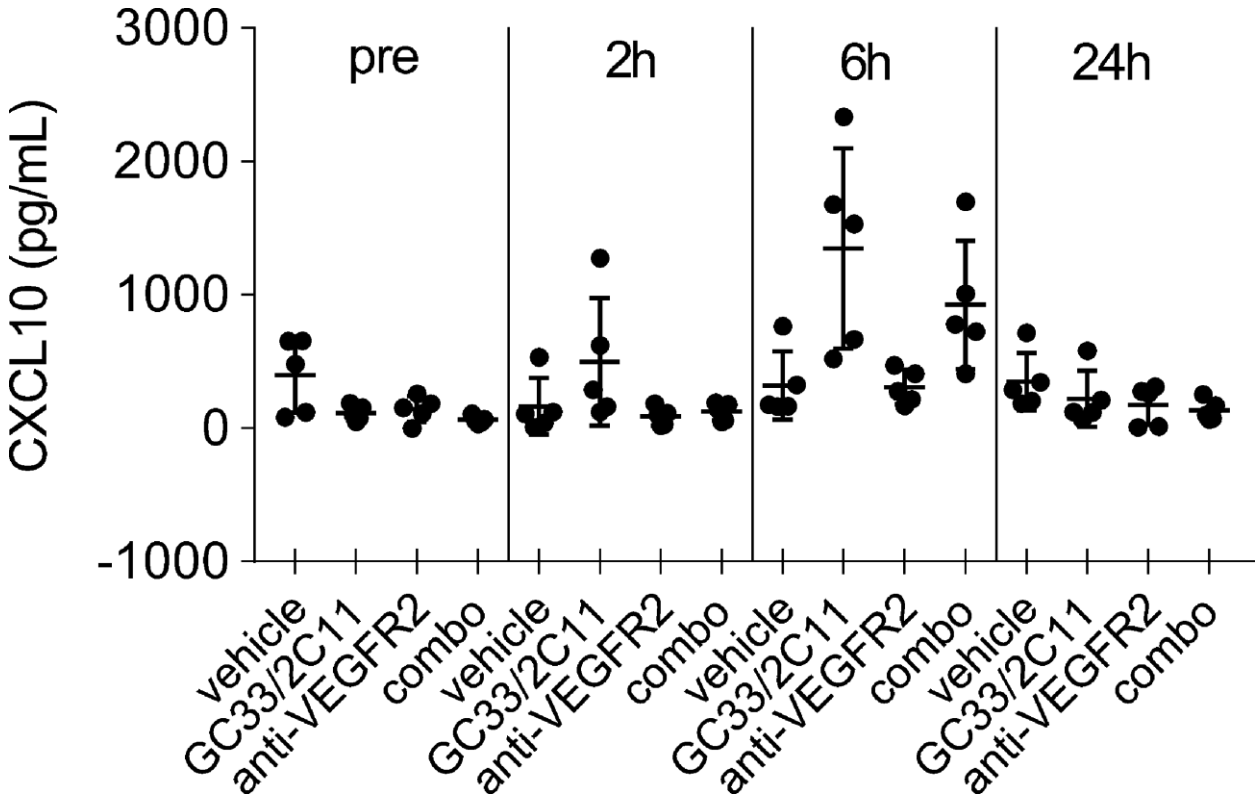

3000
2000
1000
0
-1000
CXCL10 (pg/mL)
pre
2h
6h
24h
vehicle
GC33/2C11
anti-VEGFR2
combo
vehicle
GC33/2C11
anti-VEGFR2
combo
vehicle
GC33/2C11
anti-VEGFR2
combo
vehicle
GC33/2C11
anti-VEGFR2
combo

FIG. 2E

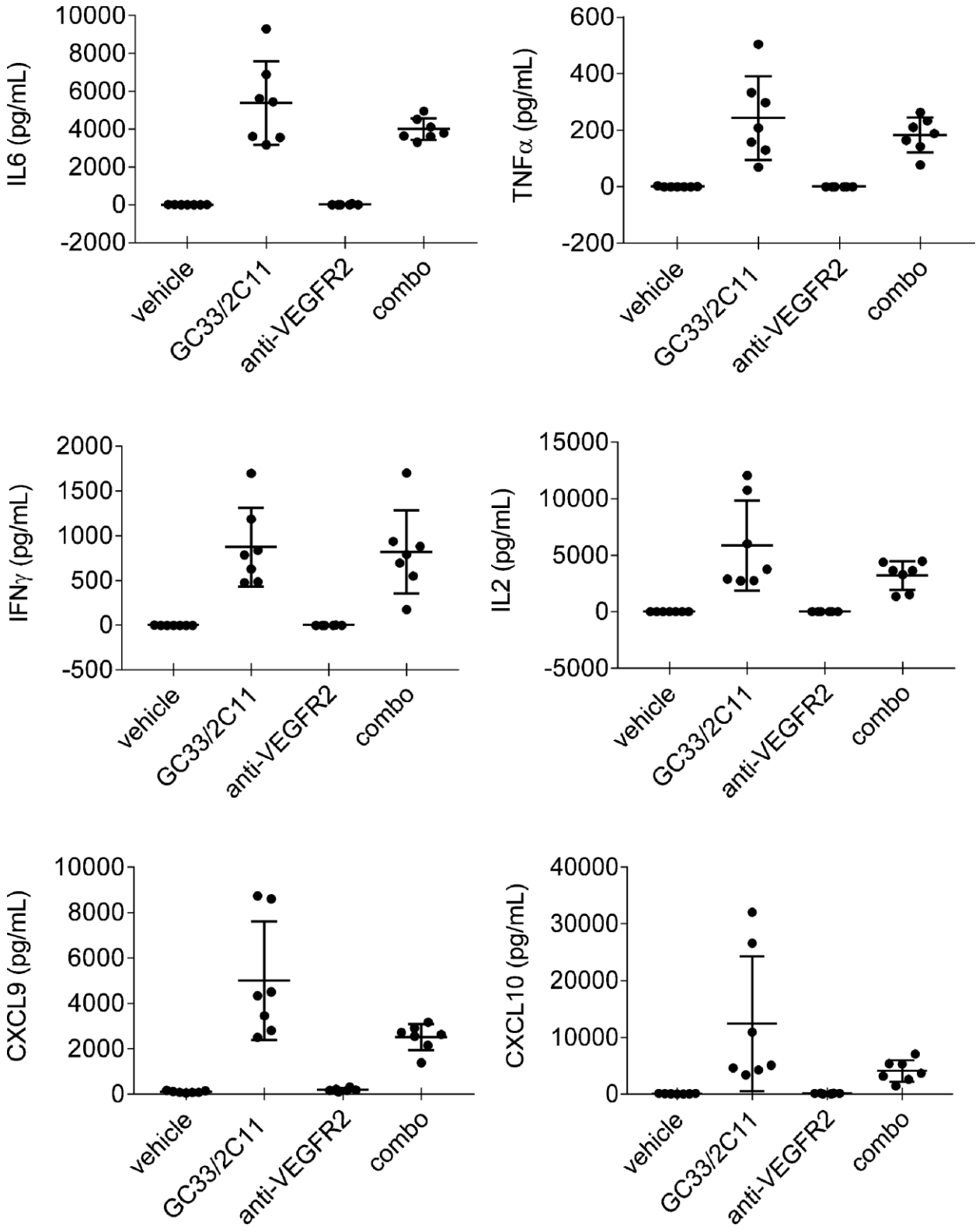

IL6 (pg/mL)
10000
8000
6000
4000
2000
0
-2000
vehicle
GC33/2C11
anti-VEGFR2
combo
TNFα (pg/mL)
600
400
200
0
-200
IFNγ (pg/mL)
2000
1500
1000
500
0
-500
IL2 (pg/mL)
15000
10000
5000
0
-5000
CXCL9 (pg/mL)
CXCL10 (pg/mL)
40000
30000
20000

FIG. 3

																								Kabat CDR L1																			
																								Chothia CDR L1																			
																																									Contact CDR L1		
Antibody name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	27a	27b	27c	27d	27e	27f	28	29	30	31	32	33	34	35	36
L0000	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	L	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0011	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	L	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0201	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0203	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	V	H	S	-	N	R	N	T	Y	I	H	W	Y
L0204	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0206	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0208	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0209	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	V	H	S	-	N	R	N	T	Y	I	H	W	Y
L0211	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0212	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	P	S	Q	S	P	V	H	S	-	N	R	N	T	Y	L	H	W	Y
L0222	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	S	P	V	H	S	-	N	R	N	T	Y	I	Q	W	Y
L0272	D	I	V	M	T	Q	S	P	L	S	L	P	V	T	P	G	E	P	A	S	I	S	C	R	S	S	Q	P	L	V	H	S	-	N	R	Q	T	Y	L	H	W	Y

Antibody name	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
L0000	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0011	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0201	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0203	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0204	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	R	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0206	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0208	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	W	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0209	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0211	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0212	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0222	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V
L0272	Q	Q	K	P	G	Q	A	P	R	L	L	I	Y	K	V	S	N	R	F	S	G	V	P	D	R	F	S	G	S	G	S	G	T	D	F	T	L	K	I	S	R	V

Antibody name	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	95a	95b	95c	95d	95e	95f	96	97	98	99	100	101	102	103	104	105	106	107
L0000	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0011	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0201	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0203	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0204	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0206	E	A	E	D	V	G	V	Y	Y	C	Y	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0208	E	A	E	D	V	G	V	Y	Y	C	Y	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0209	E	A	E	D	V	G	V	Y	Y	C	Y	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0211	E	A	E	D	V	G	V	Y	Y	C	Y	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0212	E	A	E	D	V	G	V	Y	Y	C	Y	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0222	E	A	E	D	V	G	V	Y	Y	C	Y	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K
L0272	E	A	E	D	V	G	V	Y	Y	C	G	Q	G	T	Q	V	P	-	-	-	-	-	-	Y	T	F	G	Q	G	T	K	L	E	I	K

FIG. 4