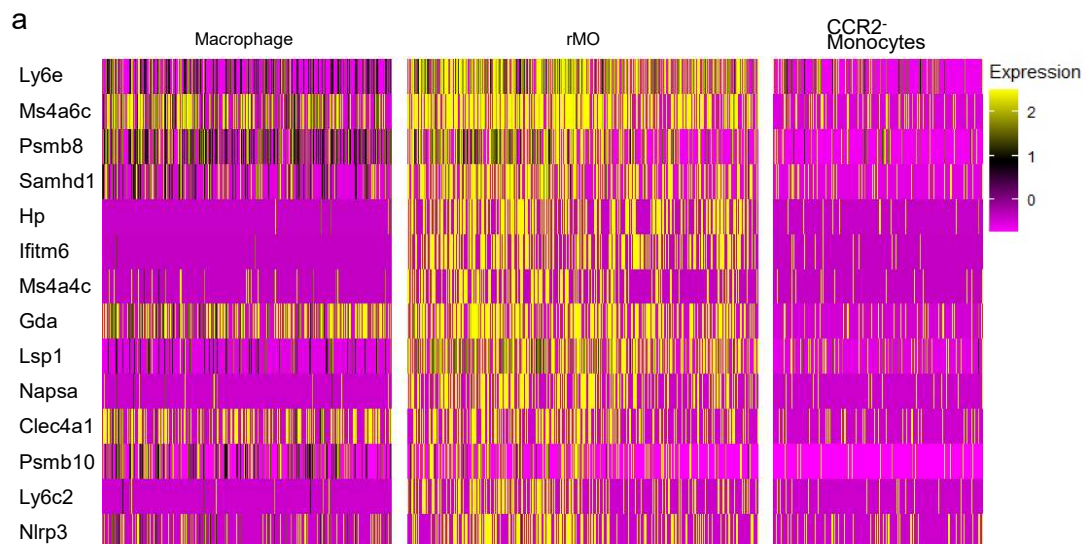


Supplementary Figure 1

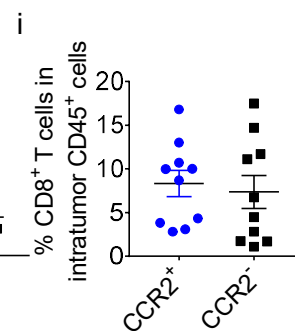
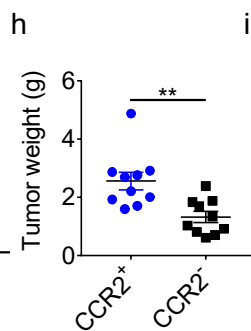
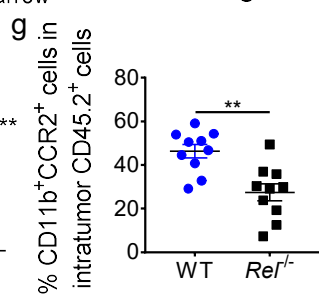
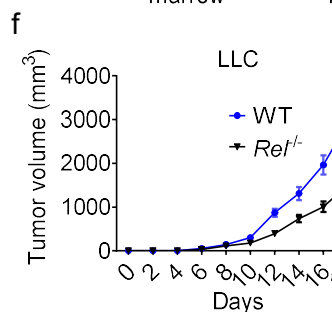
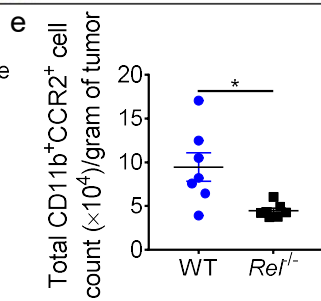
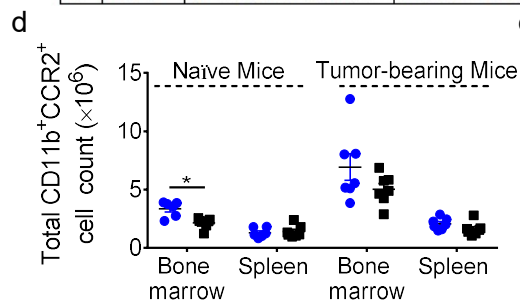


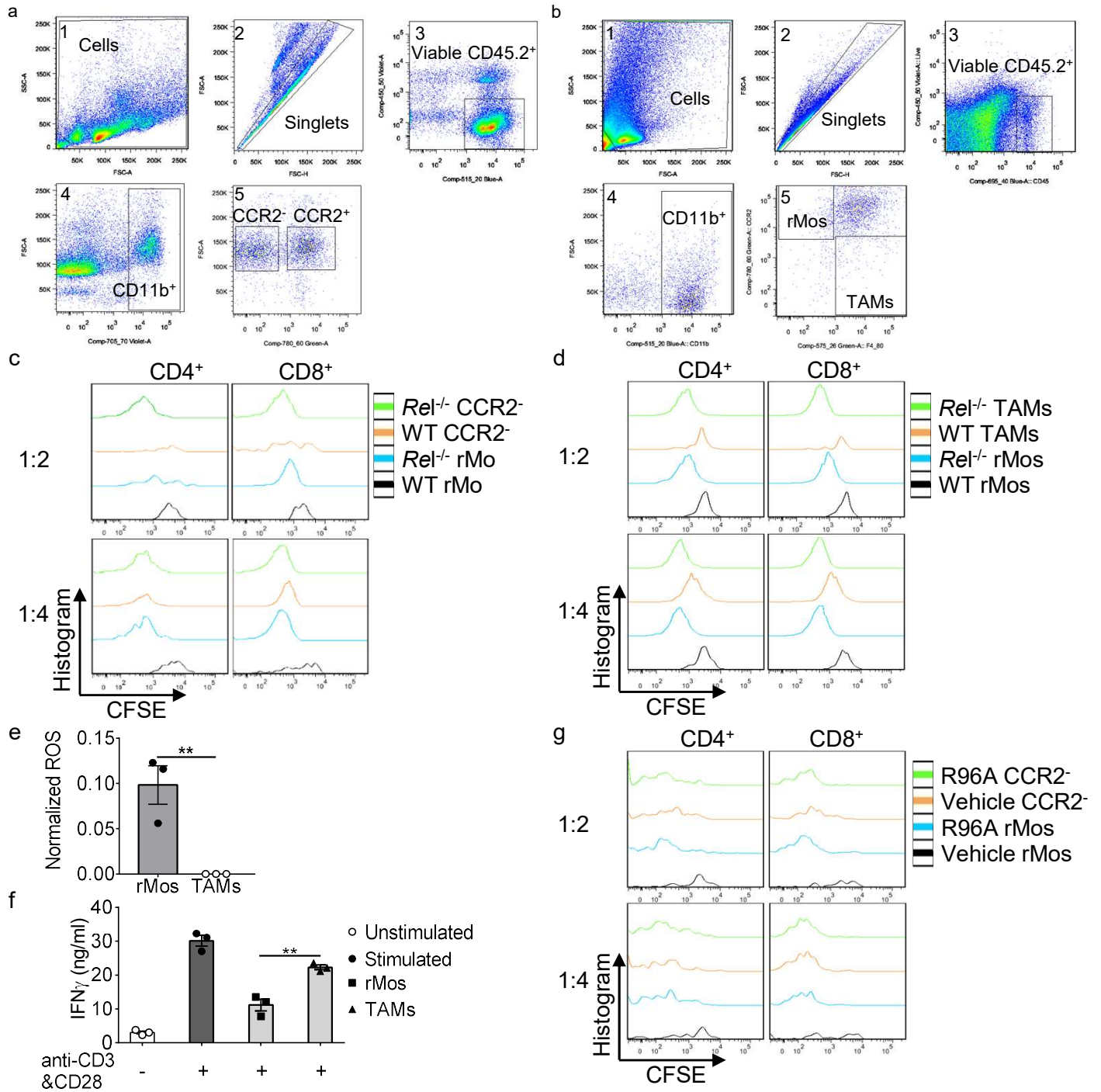
b

id	source	term_id	term_name	term_size	p_value
1	GO:BP	GO:0034097	response to cytokine	959	1.0e-05
2	GO:BP	GO:0071345	cellular response to cytokine stimulus	841	2.2e-06
3	GO:BP	GO:0032635	interleukin-6 production	174	2.5e-04
4	KEGG	KEGG:04062	Chemokine signaling pathway	193	9.9e-04
5	WP	WP:WP151	IL-5 Signaling Pathway	67	5.0e-06
6	WP	WP:WP2292	Chemokine signaling pathway	180	6.0e-04

c

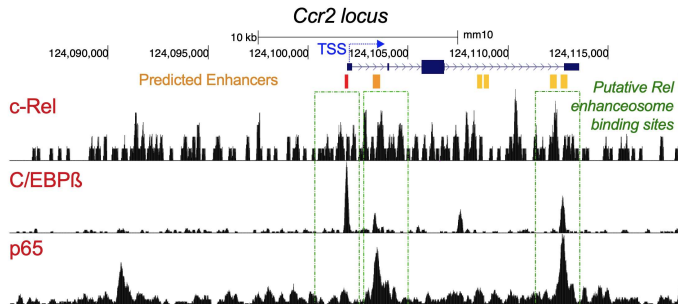
id	source	term_id	term_name	term_size	p_value
1	GO:BP	GO:0002376	immune system process	2743	2.5e-20
2	GO:BP	GO:0006955	immune response	1705	1.4e-17
3	GO:BP	GO:0009605	response to external stimulus	2953	1.9e-17
4	GO:BP	GO:0034097	response to cytokine	959	7.9e-17
5	GO:BP	GO:0006952	defense response	1722	2.5e-20
6	GO:BP	GO:0070887	cellular response to chemical stimulus	3105	1.1e-18
7	GO:BP	GO:0071345	cellular response to cytokine stimulus	841	7.0e-18
8	GO:BP	GO:0006954	inflammatory response	756	3.0e-15
9	GO:BP	GO:0048584	positive regulation of response to stimulus	2304	1.8e-14
10	GO:BP	GO:1901701	cellular response to oxygen-containing compound	1245	3.7e-12
11	GO:BP	GO:0072593	reactive oxygen species metabolic process	285	3.3e-11
12	REAC	REAC-R-MMU-168256	Immune System	1737	4.3e-13



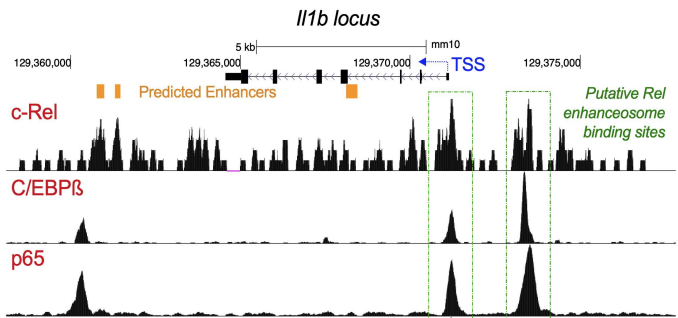


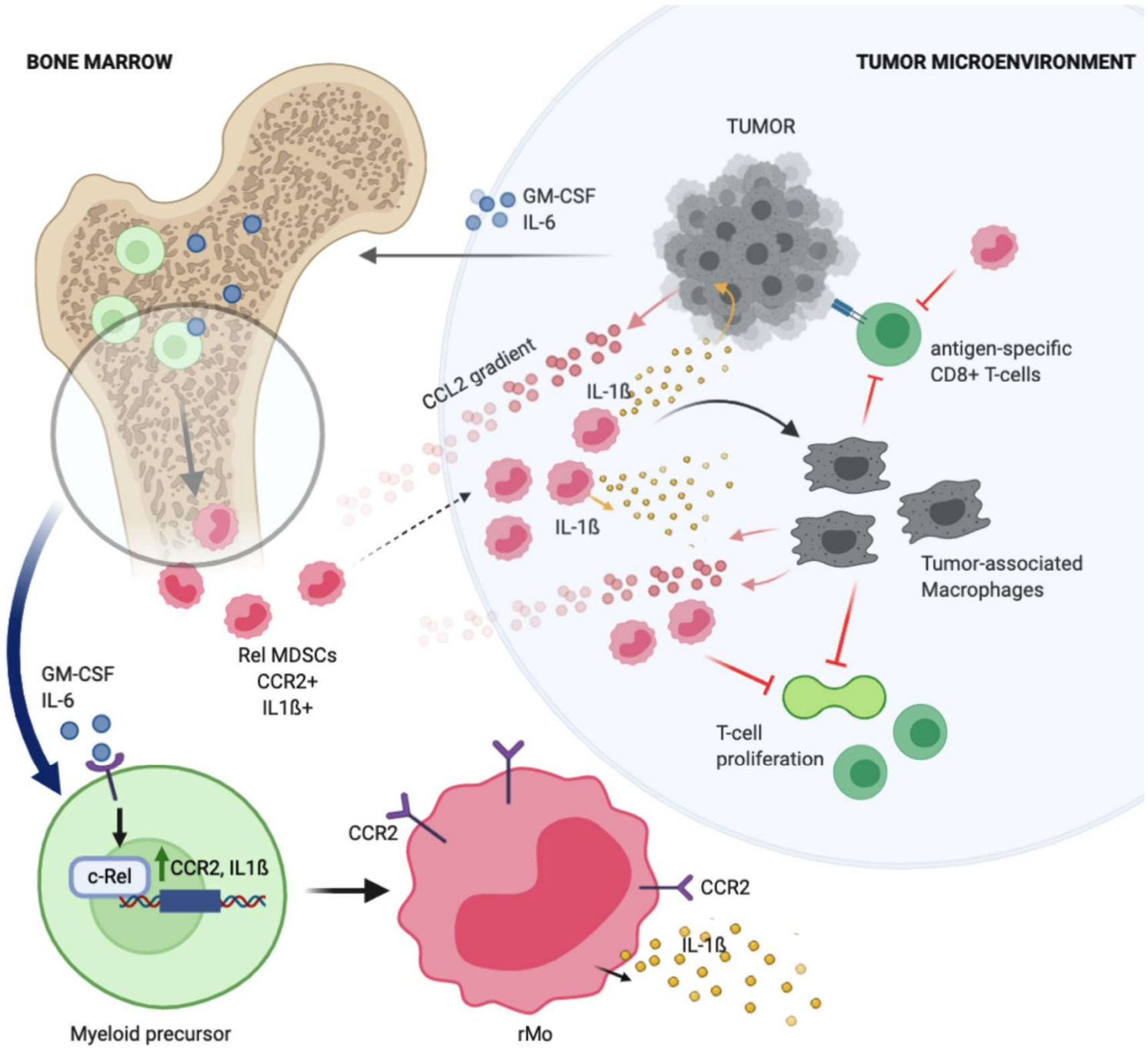
Supplementary Figure 3

a



b





Supplementary Figure 5

Supplementary Table 1: Primer used for target detection

Primer	sequence (5' >3')
IL1b(Fwd)	GGTGTGTGACGTTCCCATTA
IL1b(Rev)	ATTGAGGTGGAGAGCTTTCAG
Ccr2 (Fwd)	TCCACTCTACTCCCTGGTATTC
Ccr2 (Rev)	TGGCCAAGTTGAGCAGATAG
Ccl2(Fwd)	GTCCTGTCATGCTTCTGG
Ccl2(Rev)	GCTCTCCAGCCTACTCATTG
Cd74(Fwd)	CCCAGAGAATCTGAAGCATCTTA
Cd74(Rev)	CAGGGAGTTCTTGCTCATCTC
Il1rap (Fwd)	CCACCAAGGTACACAGTAGAAC
Il1rap (Rev)	GACCATCTCCAGCCAGTAAAC
IL1r1(Fwd)	TGAGGAATGTGGCTGAAGAG
IL1r1(Rev)	ACTCGTGTGACCGGATATTG
human-CCR2 (Fwd)	CGAAACGAGAAGAAGAGGCATAG
human-CCR2 (Rev)	CTGGAAGGTGTTTCAGGAGAATG
human-IL1B (Fwd)	ATGGACAAGCTGAGGAAGATG
human-IL1B (Rev)	CCCATGTGTCTGAAGAAGATAGG