CCR2 of Tumor Microenvironmental Cells is a Relevant Modulator of Glioma Biology

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Supplementary Tables

Table S1. Primer sequences.

gene	primer forward (5′-3′)	primer reverse (5′-3′)	reference
m18S	AACCCGTTGAACCCCATT	CCATCCAATCGGTAGTAGCG	[1]
mCcr2	GTTACCTCAGTTCATCCA	CAAGGCTCACCATCATCGTAGTC	[1]
mStat3	GAAGGGAGGCAAAGGGGAACA	ACTTGTCTAACAACCAACCCCC	designed
mArg1	AACACGGCAGTGGCTTTAACC	GGTTTTCATGTGGCGCATTC	[2]
mc-Myc	CACCAGCAGCGACTCTGAA	GCCCGACTCCGACCTCTTG	[3]
mYkl40	ATGCACACCTCTACTGAAGCC	ACCAGCTTGTACGCAGAGC	[4]
mIl10	CCCTGGGTGAGAAGCTGAAG	CACTGCCTTGCTCTTATTTTCACA	[5]
mTgfβ	TTGCTTCAGCTCCACAGAGA	TGGTTGTAGAGGGCAAGGAC	[5]
mStat1	CTGAATATTTCCCTCCTGGG	TCCCGTACAGATGTCCATGAT	[6]
mIrf7	CACCCCCATCTTCGACTTCA	CCAAAACCCAGGTAGATGGTGTA	[7]
mCox2	AGTTGATAACCGAGTCGTTCTG	CTGTTGCTTGATTTAGTC	[8]
mSmad7	GACTCCAGGACGCTGTTGGT	CCATGGTTGCTGCATGAACT	[9]
miNos	CGAAACGCTTCACTTCCAA	TGAGCCTATATTGCTGTGGCT	[2]
mTnfα	CACAGCCTTCCTCACAGAGC	GGAGGCAACAAGGTAGAGAGG	[5]
mIfnβ	CCAGCTCCAAGAAAGGACGA	CGCCCTGTAGGTGAGGTTGAT	[10]
mIl1α	GGCTCACTTCATGAGACTTGC	AGGTGTAAGGTGCTGATCTGG	[5]
mIl1β	ATCACTCATTGTGGCTGTGG	CATCTCGGAGCCTGTAGTGC	[5]
mIl6	GACTGATGCTGGTGACAACC	TTCTGCAAGTGCATCATCG	[5]
mIl12α	TACTAGAGAGACTTCTTCCACAACAAGAG	TCTGGTACATCTTCAAGTCCTCATAGA	[5]
mVegf	GAAGAAGAGGCCTGGTAATGG	AAGCCACTCACACACACAGC	[1]
mS1p1	TCAGGGAACTTTGCGAGTG	AGTGAGCCTTCAGTTACAGC	[11]
mPdgfβ	ATCCGCTCCTTTGATGATCT	GAGCTTTCCAACTCGACTCC	[12]
mTac1	GGCCAAGGAGAGCAAAGA	CGAGGATTTTCATGTTCGATT	[13]
mEdn1	GCACAACCGAGCACATTG	CCAGCCAGCATGGAGAGT	designed
mAng1	GCCTACACTTTCATTCTTCCAGA	TCTTCCTTGTGTTTTCCTTCCAT	[14]
mAng2	GGCAGCGTTGATTTTCAGAGGACT	TTTAATGCCGTTGAACTTATTTGT	[14]
mMmp2	CAGGGAATGAGTACTGGGTCTATT	ACTCCAGTTAAAGGCAGCATCTAC	[15]
mMmp9	ATCTCTTCTAGAGACTGGGAAGGAG	AGCTGATTGACTAAAGTAGCTGGA	[15]
h18S	GGCCCTGTAATTGGAATGAGTC	CCAAGATCCAACTACGAGCTT	[16]
hCCR2	TGTCCACATCTCGTTCTCGGT	CCGCTCTCGTTGGTATTTCTGA	[17]

Table S2. Basic expression of molecules.

gene	WT N (RQ ± SD)	Ccr2KO N (RQ ± SD)
Stat3	1.02 ± 0.24	1.30 ± 0.18
Arg1	1.02 ± 0.28	1.77 ± 1.90
c-Myc	1.03 ± 0.29	**0.54 ± 0.02**
Ykl40	1.12 ± 0.57	1.93 ± 1.01
Il10	1.02 ± 0.26	0.71 ± 0.20
Tgfβ	1.00 ± 0.09	**0.35 ± 0.13**
Stat1	1.08 ± 0.55	0.88 ± 0.29

Irf7	1.03 ± 0.33	**1.96 ± 0.48**
Cox2	1.01 ± 0.15	**6.29 ± 1.95**
Smad7	1.09 ± 0.52	**0.19 ± 0.07**
iNos	1.13 ± 0.66	0.71 ± 0.80
Tnfα	1.01 ± 0.18	0.83 ± 0.29
Ifnβ	1.05 ± 0.38	1.14 ± 0.20
Il1α	1.08 ± 0.49	0.43 ± 0.05
Il1β	1.04 ± 0.34	0.87 ± 0.42
Il6	1.03 ± 0.31	**0.36 ± 0.09**
Il12α	1.12 ± 0.65	**12.7 ± 5.83**

[bold]significant up- or down-regulated to WT N.

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