
Supplementary information

Supplementary figure legends

Figure S1: CMTR1 regulated tumor cell proliferation and immune response in HCT116 cells.

(A-D) Expression of CDKN1A, CDK6 and CCND1 were determined by RT-qPCR in HCT116 cells after CMTR1 knockdown.

(E) Expression of CDKN1A, CDK6, CCND1, pSTAT3 and STAT3 were determined by western blotting in HCT116 cells after CMTR1 knockdown.

(F, H) CCK8 and colony formation assays were performed to detect cell proliferation in HCT116 cells.

(G) Expression of STAT3 was determined by RT-qPCR in HCT116 cells after CMTR1 knockdown. (I-L) Relative mRNA levels of inflammatory mediators after knockdown of CMTR1 in HCT116 cells.

*P < 0.05, **P < 0.01, ***P < 0.001.

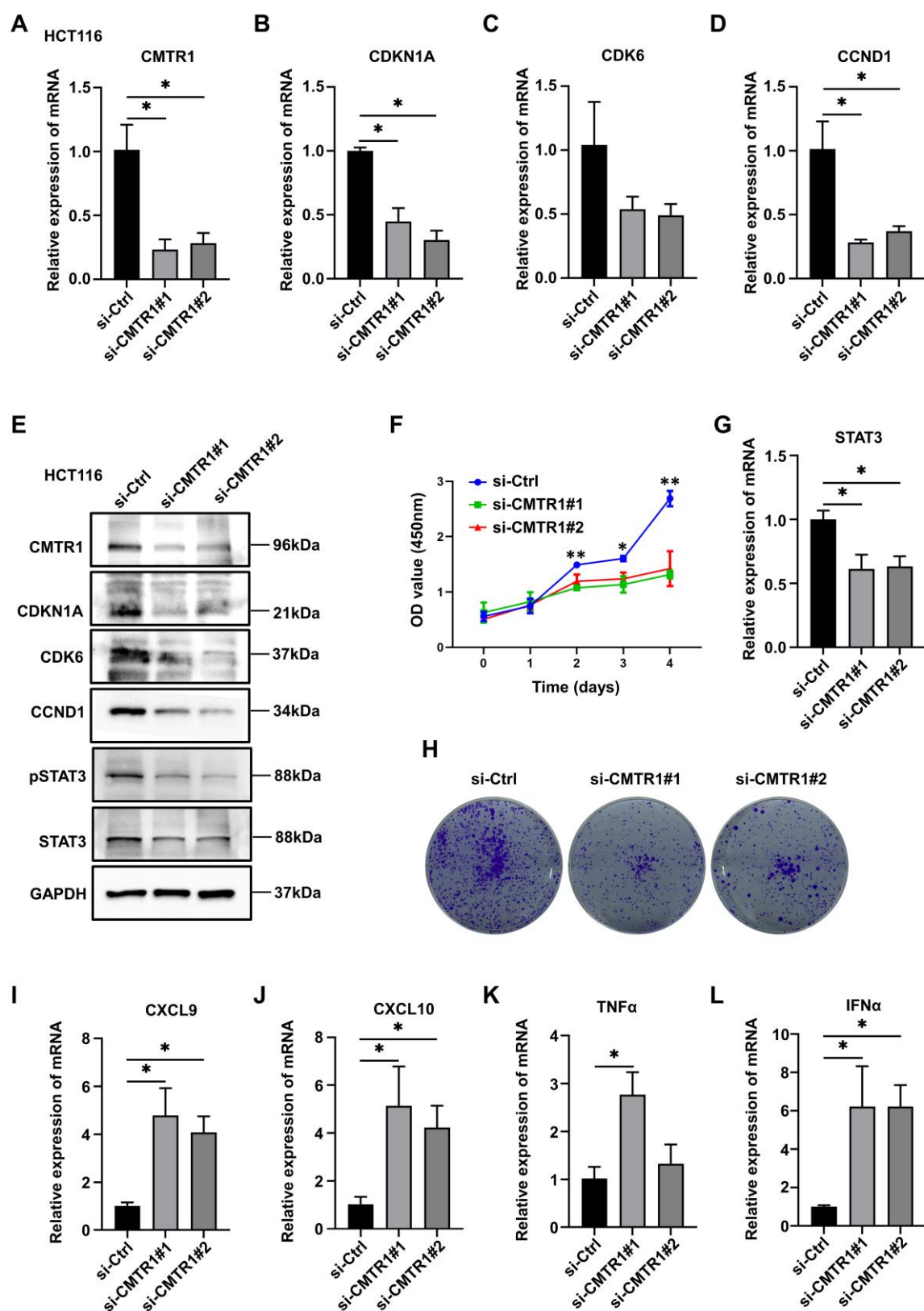


Figure S1

17 **Table S1** Sequences of oligonucleotides and primers

Assay	Oligo name	Oligo sequence (5'-3')
Primers used for RT-qPCR to check gene expression	CMTR1-F	AACGTGGACTGGCGAGATG
	CMTR1-R	CCAATCGCTCATTTCTGAGT
	CDKN1A-F	TGTCCGTCAGAACCCATGC
	CDKN1A-R	AAAGTCGAAGTTCCATCGCTC
	CDK6-F	TCTTCATTACACCGAGTAGTGC
	CDK6-R	TGAGGTTAGAGCCATCTGAAAA
	CCND1-F	GCTGCGAAGTGGAAACCATC
	CCND1-R	CCTCCTTCTGCACACATTTGAA
	CXCL9-F	CCAGTAGTGAGAAAGGGTCGC
	CXCL9-R	AGGGCTTGGGGCAAATTGTT
	CXCL10-F	GTGGCATTCAAGGAGTACCTC
	CXCL10-R	TGATGGCCTTCGATTCTGGATT
	TNF α -F	CCTCTCTCTAATCAGCCCTCTG
	TNF α -R	GAGGACCTGGGAGTAGATGAG
	IFN α -F	GCCTCGCCCTTTGCTTTACT
	IFN α -R	CTGTGGGTCTCAGGGAGATCA
	STAT3-F	CAGCAGCTTGACACACGGTA
	STAT3-R	AAACACCAAAGTGGCATGTGA
	GAPDH-F	GAAGGTGAAGGTCCGAGT
	GAPDH-R	GAGGATGGTGATGGGATTTC
	Cxcl9-F	TCCTTTTGGGCATCATCTTCC
	Cxcl9-R	TTTGTAGTGGATCGTGCCTCG
	Cxcl10-F	CCAAGTGCTGCCGTCATTTTC
	Cxcl10-R	GGCTCGCAGGGATGATTTCAA
	Tnf α -F	CTGAACCTCGGGGTGATCGG
	Tnf α -R	GGCTTGTCACCTCGAATTTTGAGA
	Ifn α -F	GATTCCCGCAGGAGAAGGTG
	Ifn α -R	TCCATGCAGCAGATGAGTCC
	Gapdh-F	AGGTCGGTGTGAACGATTTG
	Gapdh-R	TGTAGACCATGTAGTTGAGGTCA
ChIP-qPCR primers targeting STAT3 promoter	STAT3 promoter P1-F	AGGGGCGTATCAGTCTCCTC
	STAT3 promoter P1-R	ATTCATGAAAGGCCAGCTCGT
	STAT3 promoter P2-F	CGAACGAGCTGGCCTTTCAT
	STAT3 promoter P2-R	TCCCCCTCCCAGTCTGC
siRNA or shRNA	si-CMTR1#1	GAACGAGTTTGTCTCTTCA
	si-CMTR1#2	CGAGGAGTCTTCTTTCTAA
	si-STAT3#1	GGCGTCCAGTTCACTACTA
	si-STAT3#2	AGACCCGTCACAAATTA
	sh-Cmtr1	GCGAGGGATTGGGTAAATACA