



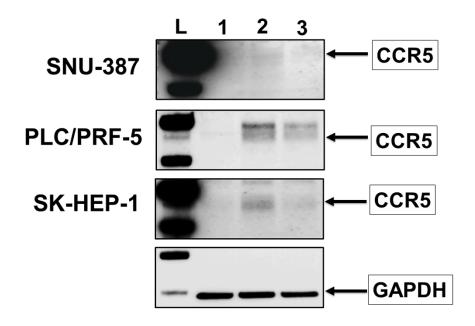
Article

Biological and Clinical Significance of the CCR5/CCL5 Axis in Hepatocellular Carcinoma

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Supplementary Materials 1.

(A)



Lane L: Protein Ladder

Lane 1: Untreated

Lane 2: CCL5 treatment

Lane 3: CCL5+Maraviroc treatment

(B) Densitometry readings/intensity ratio.

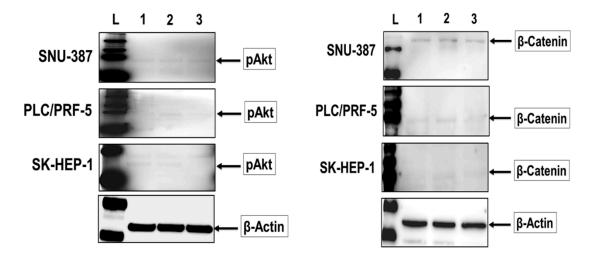
CCR5/GAPDH			
	SNU387	PLC/PRF-5	SK-HEP-1
UT	1.269129	0.045158	0.250225
CCL5	1.43037	2.861028	2.56223
CCL5+maraviroc	1.112502	0.9526	0.793331

Figure S1. Western blots supplementary figures showing the expression of CCR5 makers in liver cancer cells. **(A)** HCC cells were treated with CCL5 with or without inhibitor (maraviroc) for 30 min and the expression of protein CCR5 (size 40kd) was analyzed by immunoblots. The house keeping marker GAPDH (37kD) was used as a loading control. For SNU-387, PLC/PRF-5 and SK-HEP-1 cells: Lane 1, 2, and 3 represent untreated, CCL5 treated and CCL5 with maraviroc treatment. L: represents the protein ladder. Images were cropped in the respective figures. **(B)** Densitometric readings/intensity ratio of Western blots for CCR5 in HCC cells. The house-keeping marker (GAPDH)

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was used as a loading control. The ratios for immunoblot densitometry shown are representative of three independent experiments.

(A)



Lane 1: Untreated
Lane 2: CCL5 treatment

Lane 3: CCL5+Maraviroc treatment

Lane 1: Untreated
Lane 2: CCL5 treatment

Lane 3: CCL5+Maraviroc treatment

(B) Densitometry readings/intensity ratios.

p-Akt/β-Actin				
	SNU387	PLC/PRF-5	SK-HEP-1	
UT	1.052182	0.1866	0.261754	
CCL5	1.059205	2.126713	2.627383	
CCL5+maraviroc	1.009444	0.653153	0.090918	

β- Catenin/β-Actin			
	SNU387	PLC/PRF-5	SK-HEP-1
UT	0.680491	0.225679	0.082592
CCL5	0.809048	1.189804	2.198163
CCL5+maraviroc	0.698827	0.887205	0.702361

Figure S2. Western blots supplementary figures showing the expression of p-Akt and β -catenin makers in liver cancer cells. (**A**) HCC cells were treated with CCL5 with or without inhibitor (maraviroc) for 30 min and the expression of protein pAkt (60 kd) and β -catenin (92 Kd) was analyzed by immunoblots. The house keeping marker β -actin (45 kD) was used as a loading control. For SNU-387, PLC/PRF-5 and SK-HEP-1 cells: Lane 1, 2, and 3 represent untreated, CCL5 treated and CCL5 with maraviroc treatment. L: represents the protein ladder. Images were cropped in the respective figures. (**B**) Densitometric readings/intensity ratio of Western blots for Akt and β -catenin in HCC cells. The house-keeping marker (β -actin) was used as a loading control. The ratios for immunoblot densitometry shown are representative of three independent experiments.

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 Table S1. Demographic information of human liver cancer tissue.

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63	Male	37	Hepatocellular carcinoma	III
64	Male	37	Non-neoplastic	



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