Supporting Information

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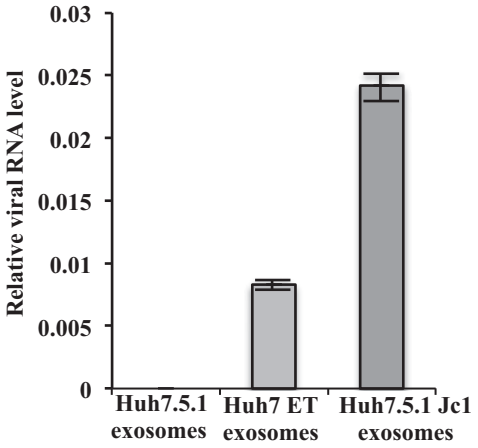

Fig. S1. Crude exosomes isolated from human hepatoma Huh7.5.1 cells, human hepatoma Huh7-ET subgenomic replicon cells or chimeric hepatitis C virus Jc1-infected Huh7.5.1 cells, contain hepatitis C virus genomic RNA, as detected by quantitative PCR. Exosomes from uninfected Huh7.5.1 cells do not contain viral RNA. Shown are the results in duplicates of three independent experiments.

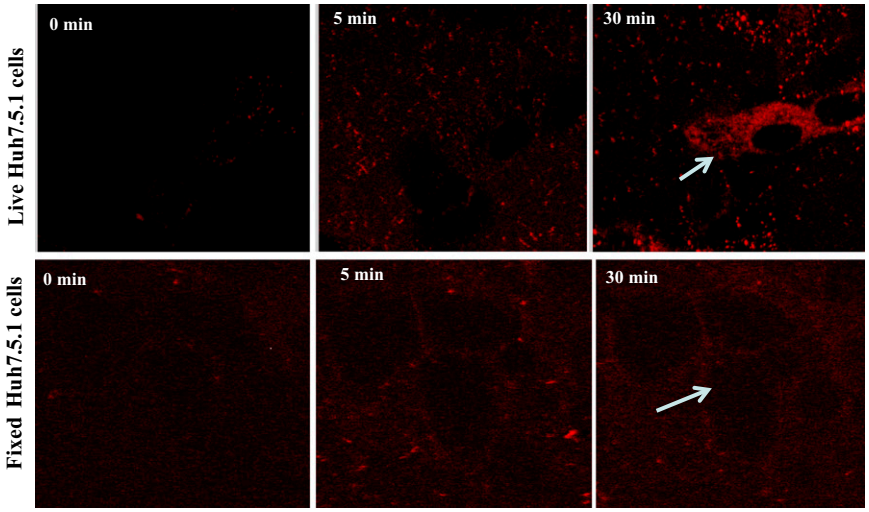

Fig. S2. Uptake of exosomes is an active process. Exosomes isolated from hepatoma cells were labeled with rhodamine C18. They were added to cells seeded on coverslips at time 0, and real-time confocal imaging for 30 min was performed on live Huh7.5.1 cells and paraformaldehyde fixed Huh7.5.1 cells. Live Huh7.5.1 cells took up rhodamine-labeled exosomes compared with fixed Huh7.5.1 cells that did not take up any exosomes. The arrows indicate the cells, and the red dots represent the exosomes labeled with rhodamine.

Table S1. Characterization of patients used in neutralization studies

Patient ID	HCV genotype	Viral load, IU/mL	Cryoglobulimia	Exosome neutralization (% of free virus neutralization)
103	1a	9.77×10^6	Weak positive	90
105	3a	8.51×10^5	Weak positive	85
106	1a	9.77×10^5	Negative	41
109	1	1.12×10^6	Negative	>100
111	3a	6.17×10^5	Weak positive	>100
112	1b	5.62×10^4	Negative	>100
137	1b	1.51×10^5	Negative	46
146	3a	Not detectable	Negative	9