

Sphingosine 1-Phosphate Receptor 2 and 3 Mediate Bone Marrow-Derived Monocyte/Macrophage Motility in Cholestatic Liver Injury in Mice

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Supplementary Information

Supplementary Methods

siRNA treatment in vivo

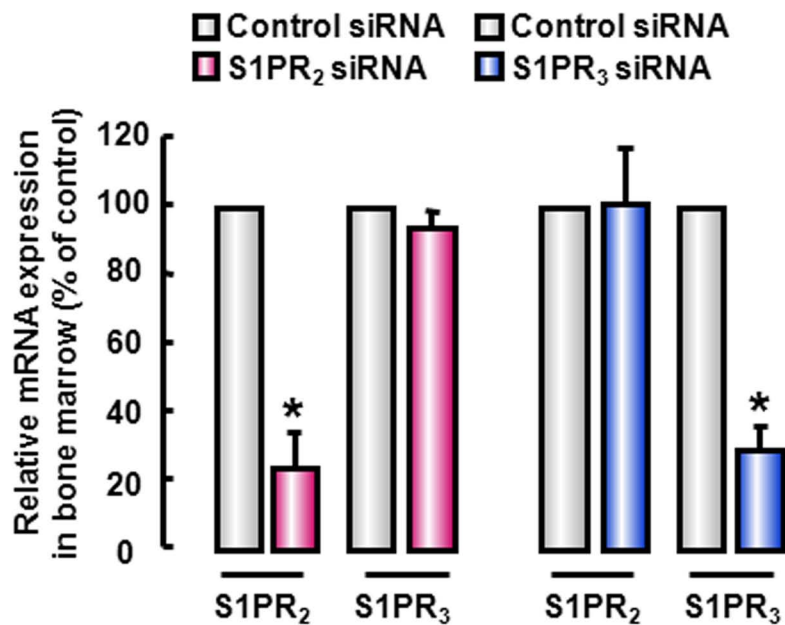
Chemically modified and stable siRNAs of S1PR₂ (sense, UAA CUC CCG UGC AGU GGU UUU; antisense, 5'-pAAC CAC UGC ACG GGA GUU AUU) and S1PR₃ (sense, GGA GGG CAG UAU GUU CGU AUU; antisense, 5'-pUAC GAA CAU ACU GCC CUC CUU) were purchased from Thermo Scientific (Lafayette, CO), and were delivered *in vivo* using a “hydrodynamic transfection method”, by which 50 µg siRNA dissolved in 1 mL PBS was rapidly injected into the tail vein. Control mice were injected with an equal volume of scramble siRNA dissolved in PBS. These siRNAs were injected one day before BDL-induced liver injury, and twice per week after BDL operation for 2 weeks.

Supplementary Figure legends

Supplemental Figure 1. The effect of S1PR₂- or S1PR₃-siRNA *in vivo* in cholestatic liver injury. Knock-down of S1PR₂ or S1PR₃ by their siRNAs *in vivo* in BM. * $p < 0.05$ vs. Controls (n = 7 per group).

Supplementary Figure 2. S1PR₂ or S1PR₃ siRNA *in vivo* reduced the recruitment of BMM. The proportion of BMM (EGFP⁺/F4/80⁺) among nonparenchymal cells were analyzed by FACS (n = 7 per group).

supplementary figure 1



supplementary figure 2

