Supplemental Figure 1

ABCA1 deficiency in mouse peritoneal macrophages impairs RCT in vivo. RCT assay was done as described in Figure 1 with [^{3}H]-cholesterol labeled, acLDL loaded and LXR agonist treated mouse peritoneal macrophages from WT (ABCA1$^{+/+}$) or ABCA1 KO (ABCA1$^{-/-}$) mice. Mice were bled at 2, 6, 24 and 48 hours after injection. N=6 mice per group. Data are expressed as percent cpm injected $\pm$ SEM. * p< 0.05, ** p< 0.01, *** p< 0.001. Results are representative of two independent experiments. **(A)** Time course of [^{3}H]-cholesterol distribution in plasma. Individual time points and areas under the curves were determined and compared. **(B)** Fecal [^{3}H]-tracer levels. Feces were collected continuously from 0 to 48 hours.

Supplemental Figure 2

SR-BI deficient mouse peritoneal macrophages have normal RCT in vivo. For in vivo RCT experiment: Wildtype C57BL/6 mice were injected intraperitoneally with [^{3}H]-cholesterol labeled mouse peritoneal macrophages from WT (SR-BI$^{+/+}$) or SR-BI KO (SR-BI$^{-/-}$) mice. Mice were bled at 4, 24 and 48 hours after injection. N=6 mice per group. Data are expressed as percent cpm injected $\pm$ SEM. NS = not significant. **(A)** Time course of [^{3}H]-cholesterol distribution in plasma. **(B)** Fecal [^{3}H]-tracer levels. Feces were collected continuously from 0 to 48 hours.

Supplemental Figure 3

ABCG1 deficiency in mouse peritoneal macrophages impairs RCT in vivo. RCT assay was done as described in Figure 1 with [^{3}H]-cholesterol labeled, acLDL loaded and LXR

agonist treated mouse peritoneal macrophages from WT (ABCG1$^{+/+}$) or ABCG1 KO (ABCG1$^{-/-}$) mice. N=6 mice per group. Data are expressed as percent cpm injected $\pm$ SEM. * p< 0.05. Results are representative of two independent experiments. **(A)** Time course of [^{3}H]-cholesterol distribution in plasma. Individual time points and areas under the curves were determined and compared. **(B)** Fecal [^{3}H]-tracer levels. Feces were collected continuously from 0 to 48 hours.
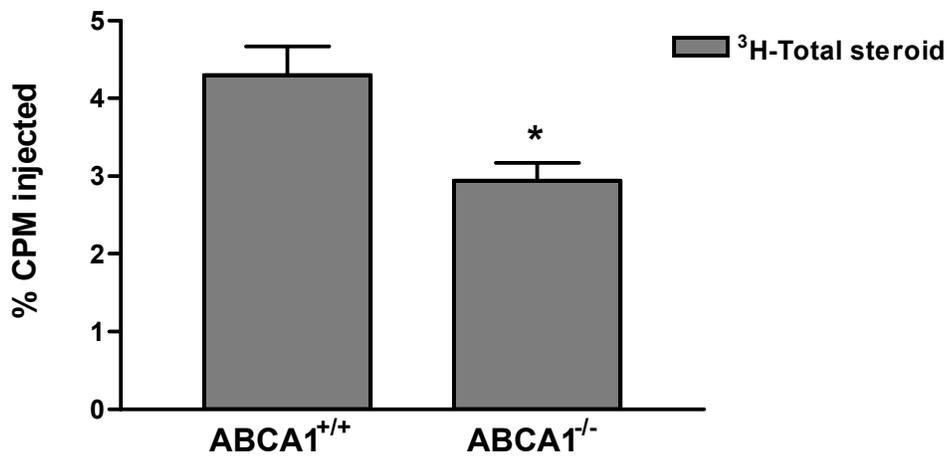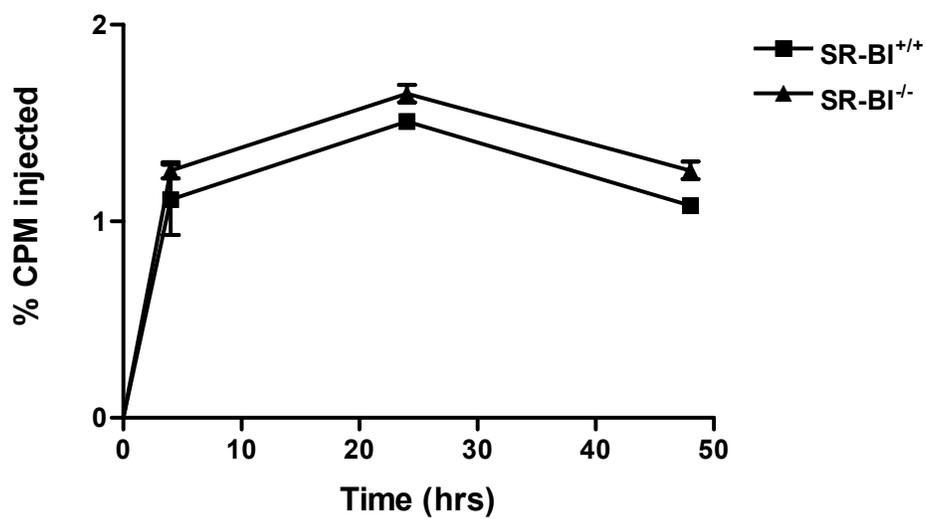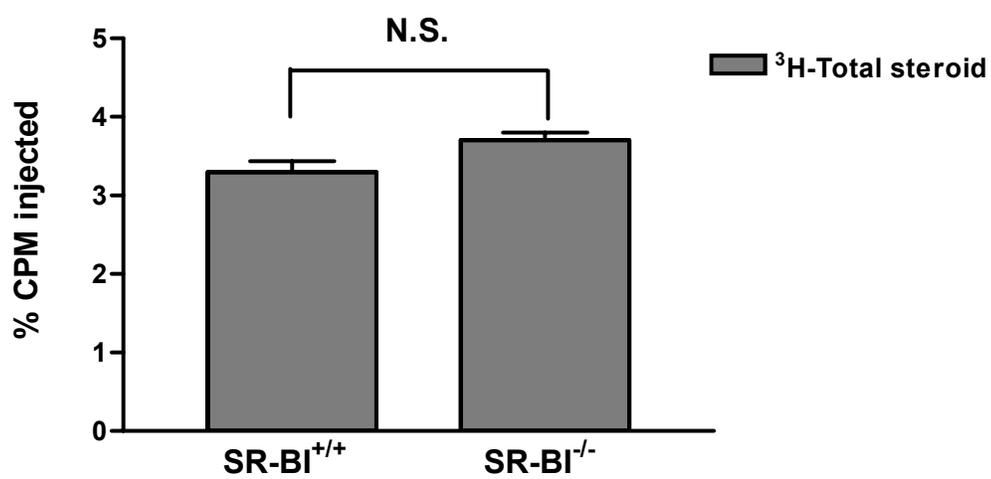
Figure S1A
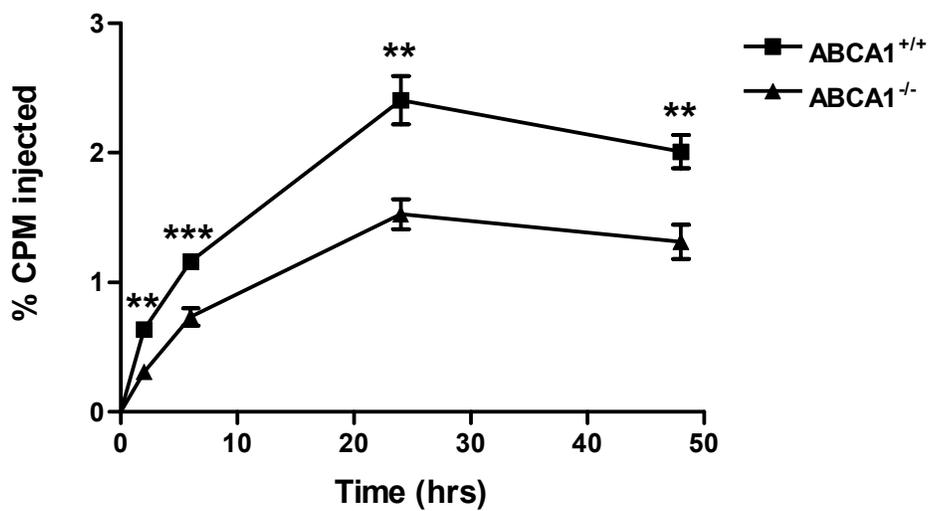
Figure S1B

Figure S2A

Figure S2B

Figure S3A

Figure S3B