Supplemental Figure 1
ABCA1 deficiency in mouse peritoneal macrophages impairs RCT in vivo. RCT assay was done as described in Figure 1 with [3H]-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 ± SEM. * p< 0.05, ** p< 0.01, *** p< 0.001. Results are representative of two independent experiments. (A) Time course of [3H]-cholesterol distribution in plasma. Individual time points and areas under the curves were determined and compared. (B) Fecal [3H]-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 [3H]-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 ± SEM. NS = not significant. (A) Time course of [3H]-cholesterol distribution in plasma. (B) Fecal [3H]-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 [3H]-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 \(^{3}\text{H}\)-cholesterol distribution in plasma. Individual time points and areas under the curves were determined and compared. (B) Fecal \(^{3}\text{H}\)-tracer levels. Feces were collected continuously from 0 to 48 hours.
**Figure S1A**

% CPM injected vs. Time (hrs)

- **ABCA1**^+/+^ line
- **ABCA1**^−/−^ line

![Graph showing % CPM injected vs. Time (hrs)](image)

**Figure S1B**

% CPM injected for **ABCA1**^+/+^ and **ABCA1**^−/−^

- **ABCA1**^+/+^ bar graph
- **ABCA1**^−/−^ bar graph

![Bar graph showing % CPM injected for **ABCA1**^+/+^ and **ABCA1**^−/−^](image)
Figure S2A

% CPM injected vs Time (hrs)

Figure S2B

% CPM injected vs SR-BI^+/+ and SR-BI^-/

N.S.

^3H-Total steroid

SR-BI^+/+ vs SR-BI^-/

4
Figure S3A

![Graph showing % CPM injected over time (hrs) for ABCG1+/+ and ABCG1−/−.](image)

Figure S3B

![Bar graph showing % CPM injected for ABCG1+/+ and ABCG1−/−.](image)

Legend:
- ABCG1+/+
- ABCG1−/−

*Significant difference