Supplemental Figure 1. Effect of reduced adipocyte lipolysis on the liver inflammatory response to DIO. Flow cytometry of mononuclear cells (MCs) derived from liver (M, 24-26w, ad lib fed, n=6-7/group). A. Representative flow cytometry plots showing the step by step analysis of flow cytometry in the liver. Among isolated MCs (gate P1, Panel 1) singlet cells were defined (Panel 2) followed by their segregation into CD45+ cells (Panel 3). From these cells CD11b+ and CD11c+ cells were identified (Panel 4) and three populations were defined as CD11b+CD11c+, CD11b+CD11c-, and CD11b-CD11c+ (Panel 5). B. Total cell number and C. percentage of total mononuclear cells for of CD11b+, CD11c-, CD11b+CD11c+, CD11b+CD11c+F4/80+ (triple+), CD11b-CD11c+, and CD11b+CD11c- cells. p < 0.05: * for effects of genotype, # for effects of diet.

Supplemental Figure 2. Effect of reduced adipocyte lipolysis on the adipose tissue inflammatory response to DIO. Flow cytometry of stromal vascular cells (SVCs) derived from adipose tissue (combined perigonadal and retroperitoneal, M, 24-26w, ad lib fed, n=6-7/group). A. Representative flow cytometry plots showing the step by step analysis of flow cytometry in adipose tissue. Among isolated SVC (gate P1, Panel 1) singlet cells were defined (Panel 2) followed by their segregation into CD45+ cells (Panel 3). From these cells CD11b+ and CD11c+ cells were identified (Panel 4) and three populations were defined as CD11b+CD11c-, CD11b+CD11c+, and CD11b-CD11c+ (Panel 5). Triple+ (CD11b+CD11c+F4/80+) cells by staining for F4/80 (Panel 6). B. Total cell number and C. percentage of total mononuclear cells for of CD11b+, CD11c-, CD11b+CD11c+, CD11b+CD11c+F4/80+ (triple+), CD11b-CD11c+, and CD11b+CD11c- cells. p < 0.05: * for effects of genotype, # for effects of diet.
Supplemental Figure 1

A.

B.

C.
Supplemental Figure 2

A.

B.

C.