Supplementary information



Supplementary figure 1: Granulocyte function is not affected by depletion of gut microbiota. BMgranulocytes were isolated and migration capacity (A), phagocytic ability (B) and oxidative burst (C) was quantified. Data are expressed as mean ± SEM (n=4 per group).



Supplementary figure 2: Renal expression level of CD11B and CD11C is not affected in commensaldepleted mice before and after 2h of I/R injury. The percentage of CD11B (A) and CD11C (B) positivity was quantified per high-power field on kidney sections (magnification 200x). Data are expressed as mean ± SEM (n=5 per group).



Supplementary figure 3: F4/80, CX3CR1 and CCR2 MFIs are not reduced in the total CD11B+ population after antibiotic treatment. MFI of F4/80 (A), CX3CR1 (D) and CCR2 (F) on CD11B+ cells. MFI of CX3CR1 (E) and CCR2 (G) on CD11B+ F4/80- cells. Percentage of CD11B+ F4/80+ (B) and CD11B+ F4/80- (C) population in the CD11B gate. Data are expressed as mean ± SEM (n=8 per group).



Supplementary figure 4: Antibiotic treatment did not lead to major changes in baseline parameters. Presence/absence of fecal bacteria (A). Body weight (B), body temperature (C), food intake (D), fluid intake (E) and white blood cells (F-G) in control- and antibiotic-treated mice. Data are expressed as mean \pm SEM. Two-tailed unpaired *t* test was used in graph E (n=8 per group). **P*<0.05.



Supplementary figure 5: Gating strategy used during FACS analyses. Cells were gated as follows: single cells, DAPI negative, CD45+, CD11B+ and F4/80+.

Tables

Supplementary table 1: Primers used for determination of specific genes

Gene	Forward primer	Reverse primer
NGAL	5'- GCCTCAAGGACGACAACATC	5'- CTGAACCATTGGGTCTCTGC
F4/80	5'- CTTTGGCTATGGGCTTCCAGTC	5'-GCAAGGAGGACAGAGTTTATCGTG
ΤΝΕ-α	5'- TCGTAGCAAACCACCAAGTG	5'-CCTTGTCCCTTGAAGAGAACC
MCP-1	5'- CATCCACGTGTTGGCTCA	5'- GATCATCTTGCTGGTGAATGA
IL-6	5'- GCTACCAAACTGGATATAATCAGGA	5'- CCAGGTAGCTATGGTACTCCAGAA
ΜΙΡ-2α	5'- CCCTGGTTCAGAAAATCATCC	5'- CTTCCGTTGACCCACAGC
КС	5'- ATAATGGGCTTTTACATTCTT	5'- AGTCCTTTGAACGTCTCTGTCC
GAPDH	5'- TGTCCGTCGTGGATCTGAC	5'- CCTGCTTCACCACCTTCTTG