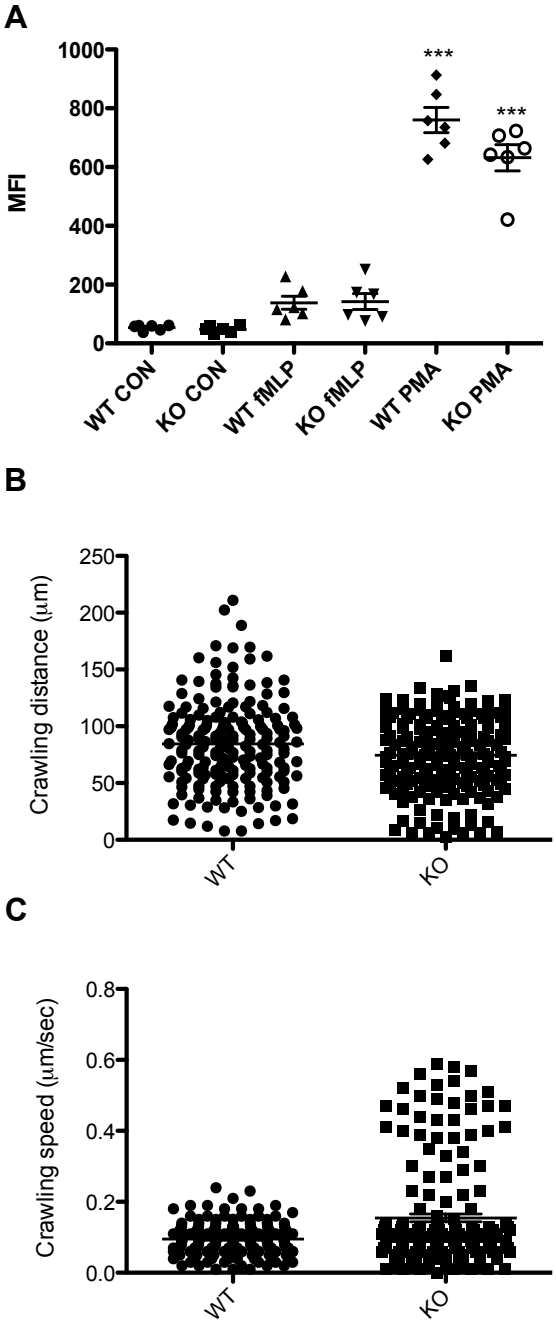
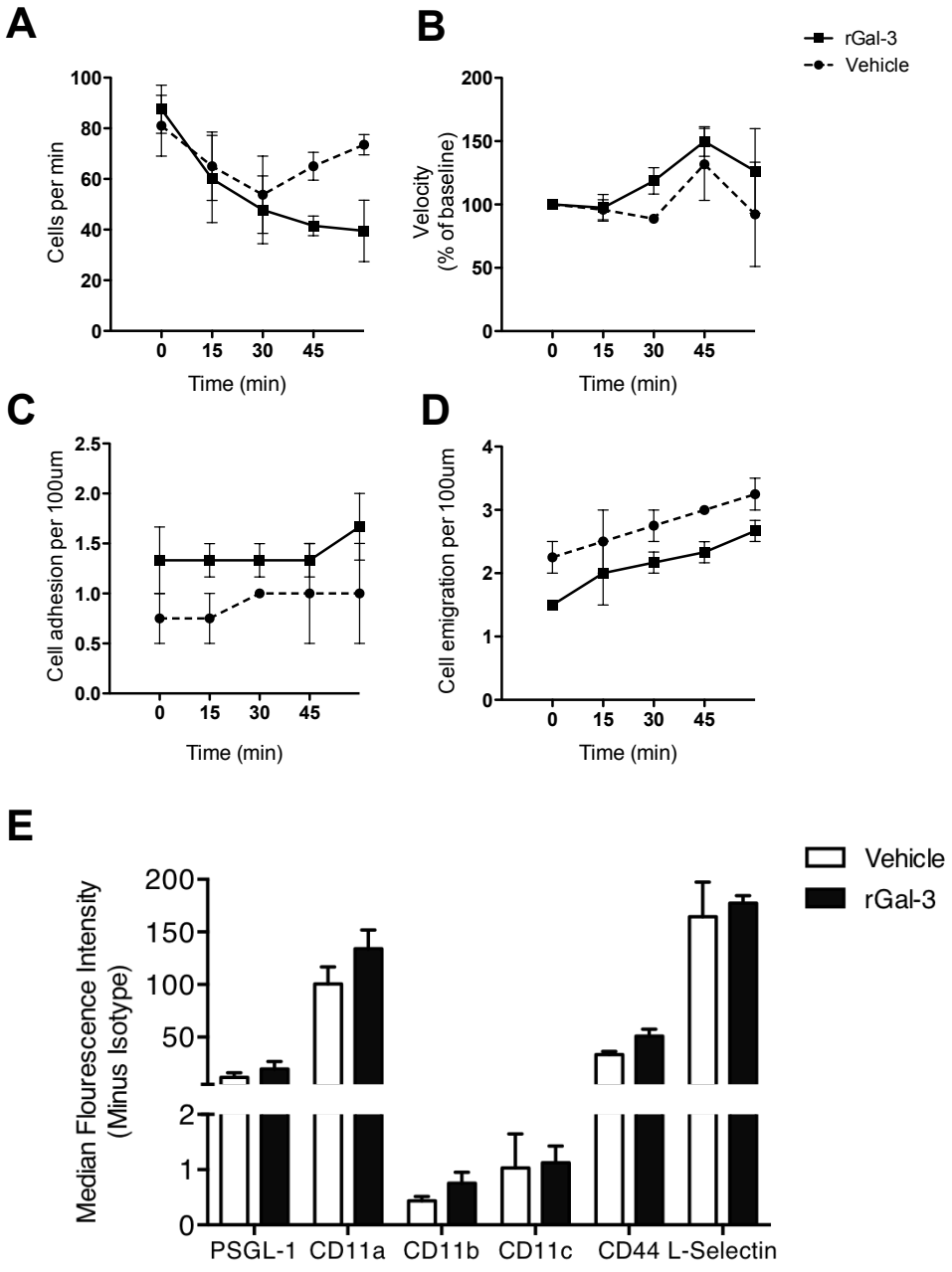


Supplementary Figure 1. Activation of CD11b and crawling on ICAM-1 is not impaired in Gal-3-/- neutrophils. Bone marrow neutrophils were isolated from Gal-3-/- and C57BL/6 mice. Binding of alexa488-conjugated fibrinogen to Ly6G positive neutrophils was assessed by flow cytometry following stimulation with fMLP (1μM) and PMA (50ng/ml) (A); n=6 mice per group. Neutrophil crawling was assessed following activation of cells with murine recombinant TNF-α (10ng/ml). Neutrophils were allowed to adhere to murine recombinant ICAM-1 coated IBIDI chambers for 5 mins and then crawling was assessed under flow (2dyne/cm^2) over 15mins. Images were acquired every 10 sec. Distance travelled (B) and velocity (C) was quantified for 50 cells per mouse using ImageJ; n= 4 mice per group. *** P<0.01 vs respective control.



Supplementary Figure 2. Intravenous administration of recombinant Gal-3 does not affect leukocyte recruitment or cell adhesion molecule expression. Cremasteric post-capillary venules of C57BL/6 mice were analysed by intravital microscopy following intravenous administration of vehicle saline (200μL) or rGal-3 (150ng) 30 min post exteriorisation. Levels of leukocyte cell flux (A), rolling velocity (B), leukocyte adhesion (C) and emigration (D) were assessed. All data obtained from segments of 100μm in 3-5 vessels per mouse and 2-3 mice per group. Results are expressed as mean±SEM for all parameters analysed. Statistical significance was assessed by two-way ANOVA and with Bonferroni's multiple comparison post-test. (E) Wild type C57BL/6 mice were treated intravenously for 4h with vehicle (200μL saline) or rGal-3 (150ng) prior to leukocyte assessment of PSGL-1, CD11a, CD11b, CD11c, CD44 or CD62L (L-selectin) expression by flow cytometry. Results are mean±SEM of 3 mice per group and significance was assessed using an unpaired student's t-test.