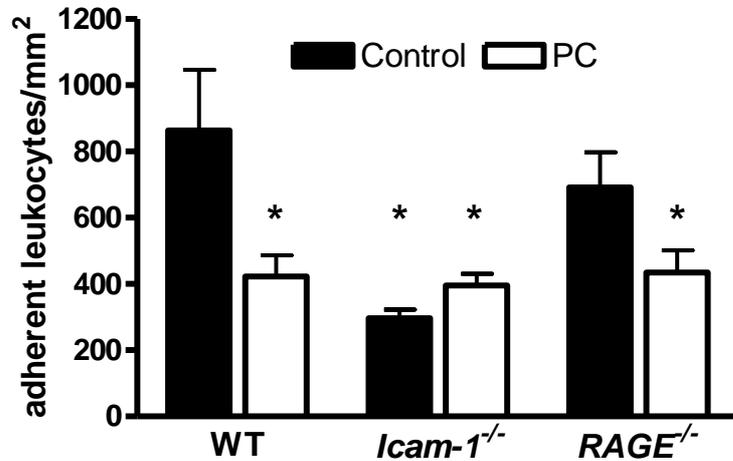
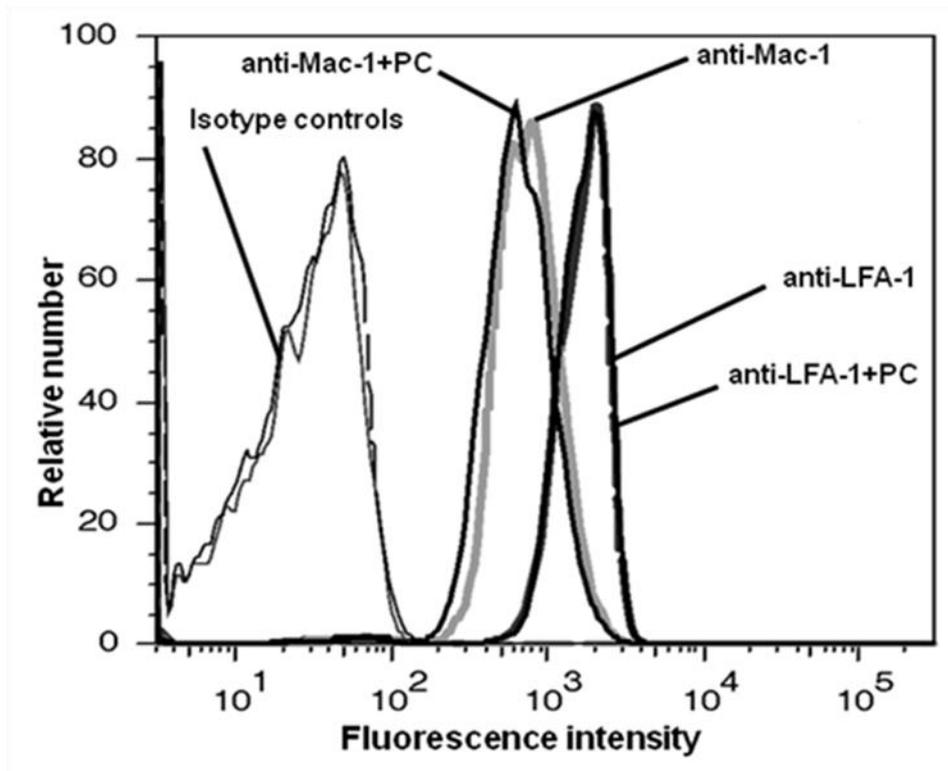


Supplemental Material



Supplemental Fig. 1. Effect of PC on CXCL1-induced leukocyte adhesion in wild-type (WT), *RAGE*^{-/-} - and *Icam-1*^{-/-} mice. Leukocyte adhesion (number of adherent cells per mm² of surface area) in cremaster muscle venules after systemic administration of 600 ng CXCL1 (KC) of wild-type (WT) control mice, *RAGE*^{-/-} mice and *Icam-1*^{-/-} mice treated with and without treatment with PC (100 U/kg, 3 hours) during trauma-induced inflammation. All values are presented as mean \pm SEM from three or more mice per group. Significant differences ($P < 0,05$) to WT control mice are indicated by the asterisks.



Supplemental Figure 2: Effect of PC on expression of LFA-1 and Mac-1 on neutrophils. Surface expression of LFA-1 and Mac-1 on bone marrow-derived neutrophils with or without PC pre-incubation (5 U per 10^6 leukocytes/ml, 3 h at 37°C) was compared to respective isotype controls. Representative histograms are shown from 3 separate experiments.

Supplemental Table 1: Hemodynamic parameters during intravital microscopic experiments

	<u>Mice</u>	<u>Venules</u>	<u>Diameter</u>	<u>Centerline Velocity</u>	<u>Wall Shear Rate</u>	<u>Systemic Leukocyte Counts</u>
	N	n	(μm)	($\mu\text{m/s}$)	(s^{-1})	(/ μl)
<u>Trauma-induced inflammation Genotype/Treatment (3 hours 100 U/kg PC)</u>						
WT	10	20	30 ± 1	2500 ± 100	1900 ± 100	7300 ± 300
WT PC	10	20	31 ± 1	2700 ± 100	2200 ± 100	6200 ± 400
<i>Icam-1</i> ^{-/-}	11	25	30 ± 1	2300 ± 100	2000 ± 100	8000 ± 1000
<i>Icam-1</i> ^{-/-} PC	13	32	31 ± 1	2300 ± 100	1800 ± 100	9500 ± 500
<i>RAGE</i> ^{-/-}	12	30	30 ± 1	2500 ± 100	2100 ± 100	7000 ± 700
<i>RAGE</i> ^{-/-} PC	11	25	29 ± 1	2400 ± 100	2000 ± 100	7400 ± 900
			n.s.	n.s.	n.s.	n.s.
<u>TNFα-induced inflammation Genotype/Treatment (3 hours 100 U/kg PC) pre and post fMLP</u>						
WT	10	58	29 ± 1	2000 ± 100	1900 ± 100	4100 ± 500
WT PC	11	60	28 ± 1	2100 ± 100	1700 ± 100	3900 ± 200
<i>Icam-1</i> ^{-/-}	7	40	31 ± 1	1900 ± 100	1700 ± 100	4400 ± 500
<i>Icam-1</i> ^{-/-} PC	11	44	31 ± 1	2000 ± 50	1800 ± 100	4200 ± 300
<i>RAGE</i> ^{-/-}	11	49	29 ± 1	2200 ± 100	2000 ± 100	3600 ± 200
<i>RAGE</i> ^{-/-} PC	12	62	29 ± 1	2200 ± 100	1900 ± 100	3800 ± 200
			n.s.	n.s.	n.s.	n.s.

Vessel diameter, centerline velocity and wall shear rate of surgically prepared cremaster muscle venules (Trauma) and tumor necrosis factor α (TNF α)-stimulated (pre and post fMLP-superfusion) cremaster muscle venules of wild-type (WT), *Icam1*^{-/-} - and *RAGE*^{-/-} mice with and without PC are presented as mean \pm SEM.

n.s., not significant.