Supplementary Figure legends

Supplementary Figure 1

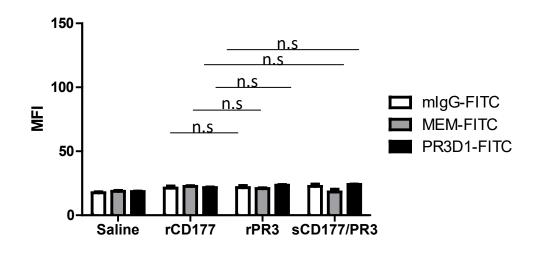
TNF-a pre-treated endothelial cells bind sCD177/PR3 specifically via PECAM-1.

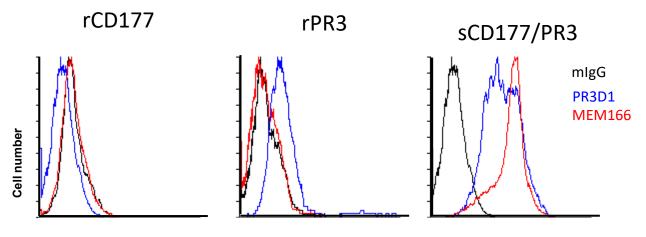
- (A) HUVECs pre-treated with PBS were incubated with saline, rCD177, rPR3 or sCD177/PR3 (2µg/mL) for 4 hours at 37°C. HUVECs were analyzed by flow cytometry using direct fluorescence-labeled mabs against CD177 (MEM166) or PR3 (PR3D1). Values are presented as mean fluorescence intensity (MFI) ±SD (n=5); n.s. not significant.
- (B) HUVECs pre-treated with TNF-a were incubated with rCD177, rPR3 or sCD177/PR3 (2µg/mL) for 4 hours at 37°C. HUVECs were analyzed by flow cytometry using direct fluorescence-labeled mabs against CD177 (MEM166) or PR3 (PR3D1).
- (C) HUVECs pre-treated with TNF-a were incubated with mabs (1 μg/mL), against PECAM-1 domain 1 (Gi18) or against PECAM domains 2 and 6 (PECAM 1.1 or PECAM 1.2, respectively), and subsequently incubated with sCD177/PR3 (2μg/mL) for 4 hours at 37°C. HUVECs were analyzed by flow cytometry using direct fluorescence-labeled anti-CD177 (MEM166).

Supplementary Figure 2

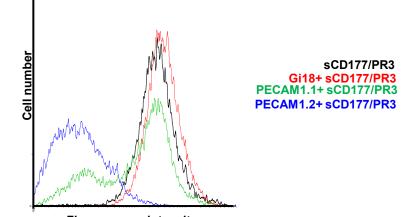
CD177 expression on neutrophil surface

Gating strategy (upper) and expression (lower) of CD177 on granulocyte populations. The expression of CD177 on surface of isolated neutrophils were evaluated in CD177-negative (left) and CD177-positive (right) donors using direct fluorescencelabelled mab against CD177 (MEM166, red) in flow cytometry (red). mlgG was used as isotype control (black). The P2 and P3 are representative of the percentage of negative and positive neutrophil sub-populations in each donor.





Fluorescence intensity



Fluorescence intensity

Supplementary Figure 2

Α В Specimen_002-mlgG Tobias Specimen_002-mlgG Tobias Conny Thomas-mlgG Conny Thomas-mlgG ŝ-Count 50 100 150 200 250 300 350 400 °≏: °≏ŝ-*₽-: 40-Count SSC-A SSC-A Р3 PЗ ~___ °≘-∋ 8-~⊒-°⊒-~ M. 10⁰ FSC-A -**1** 10² 10⁵ 11111 10² 10^S 10⁴ 10⁵ 10³ 10⁴ Alexa Fluor 488-A 10⁰ 10⁴ Alexa Fluor 488-A 10³ FSC-A 10² 10⁵ 104 Conny Thomas-7D8 Conny Thomas-7D8 Specimen_002-7D8 Tobias Specimen_002-7D8 Tobias 8 ŝ 102 96.8% 3.2% ₽-47,1% 52.9% 8 40----40¹⁰101 Count 50 Count SSC-A SSC-A PЗ PЗ °°--~<u>_</u> ₫_ 8 8-20-7 1⁰2 - Minni 10² ~ 10⁵ 10² 10³ 10⁴ Alexa Fluor 488-A 104 10⁵ 10⁰ FSC-A 10³ 10⁴ Alexa Fluor 488-A 105 10⁴