

Supplemental figure 1: Isotype-controls of adhesion molecule antibodies expression by immunofluorescence. Matching IgG-controls of the antibodies marking CD29, CD31, and CD54 were used. Images are representatives of four experiments with similar results (original magnification, x63).

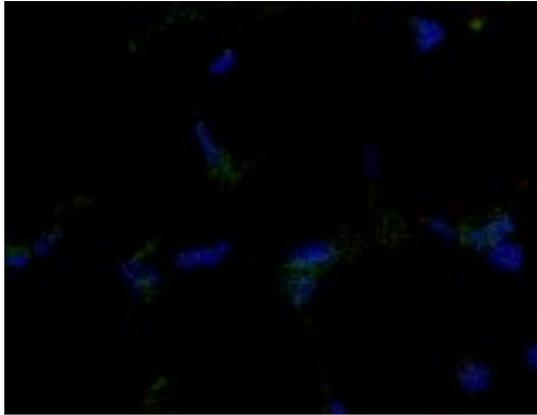
Supplemental figure 2: Gating process. Typical dot blots in the forward / sideward scatter of cells in the blood, lung and bronchoalveolar lavage (BAL) are shown (A). The gating process in the lung tissue with differentiation of leukocytes (CD45⁺) and the following further distribution in PMNs adherent to the endothelium (7/4⁺ and Gr-1⁺ cells), and PMNs in the interstitium of the lung (7/4⁺ and Gr-1⁻) (B). The gating process of one adhesion molecule on PMNs in the BAL is demonstrated (C). PMNs were gated in the dot plot and first identified as CD45⁺. This CD45⁺ population was further gated as GR-1⁺ and 7/4⁺. The identified PMN cloud was further evaluated on the expression of the distinct adhesion molecule with PE- staining.

Supplemental figure 3: Schematic presentation of the in vitro transmigration assay. In the lower chamber is the stimulant fMLP (n-formylmethionyl-leucyl-phenylalanine), which attracts human PMNs to migrate through the pulmonary epithelial monolayer (H441 cells).

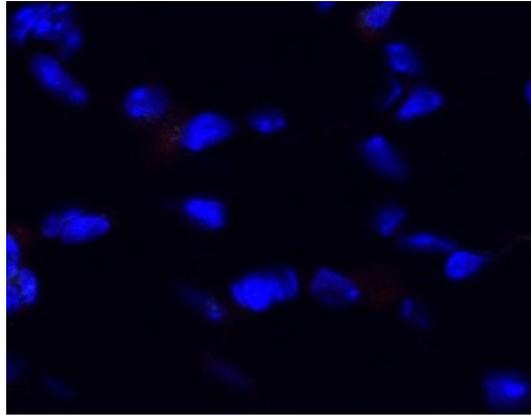
Supplemental figure 4: Mean fluorescence intensity (MFI). Each peak of the histogram resembles one PMN population. The more fluorescent antibody is bound on the PMN surface, the higher the MFI.

Supplemental figure 1

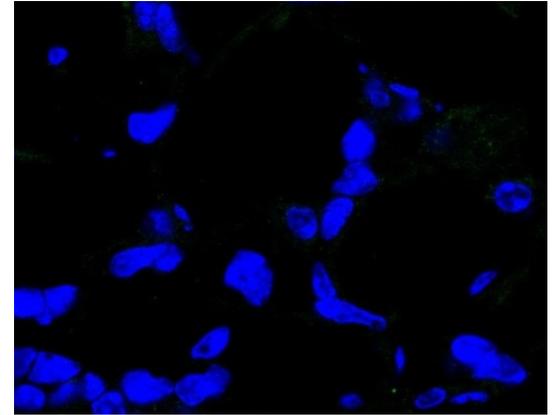
CD 29



CD 31

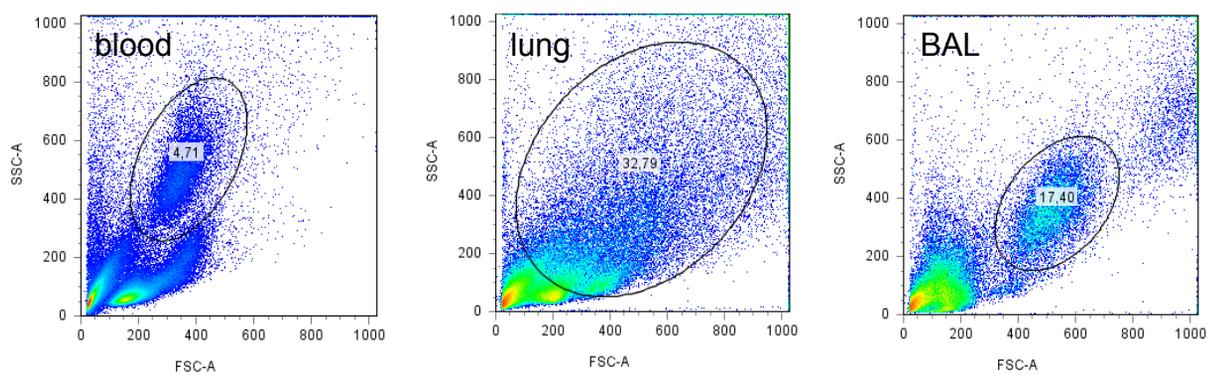


CD 54

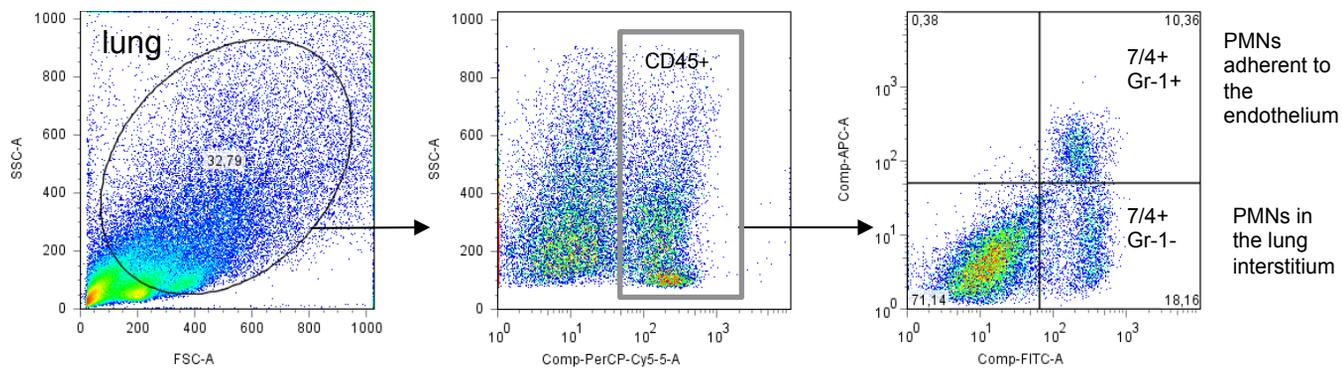


Supplemental figure 2

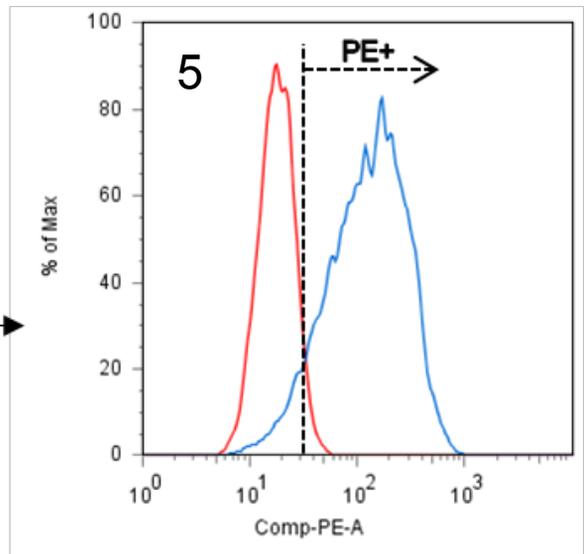
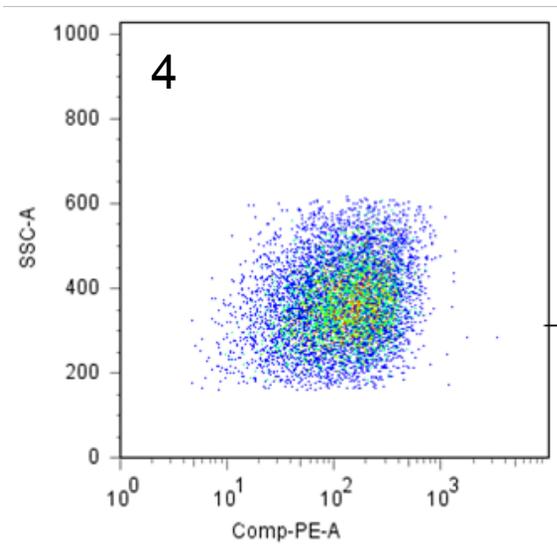
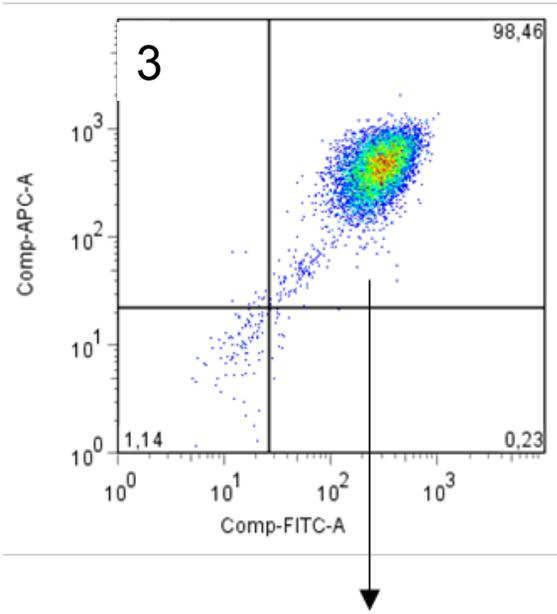
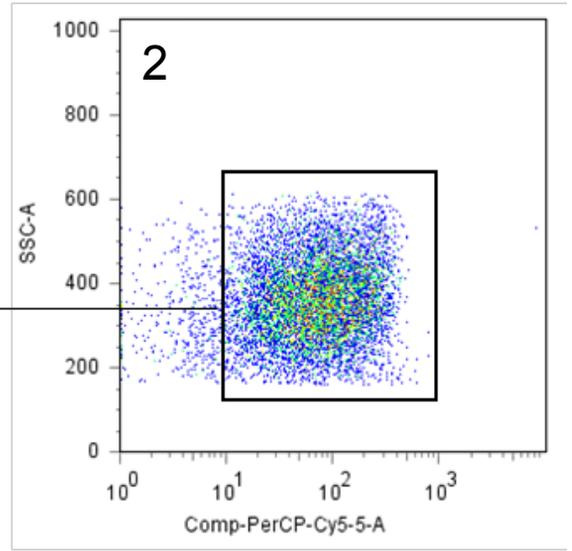
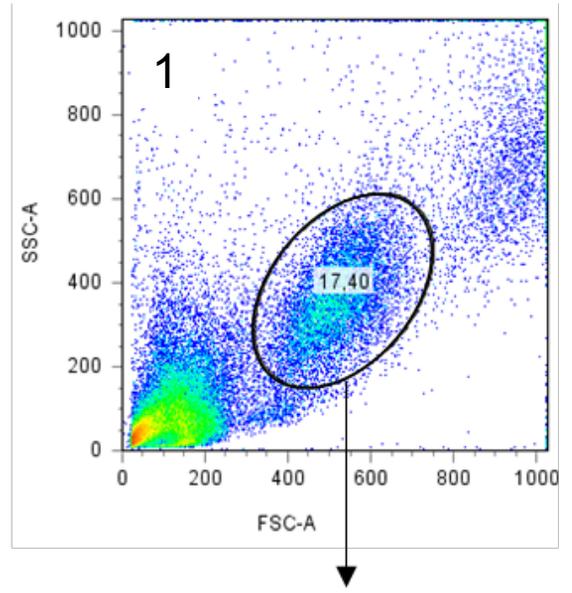
A



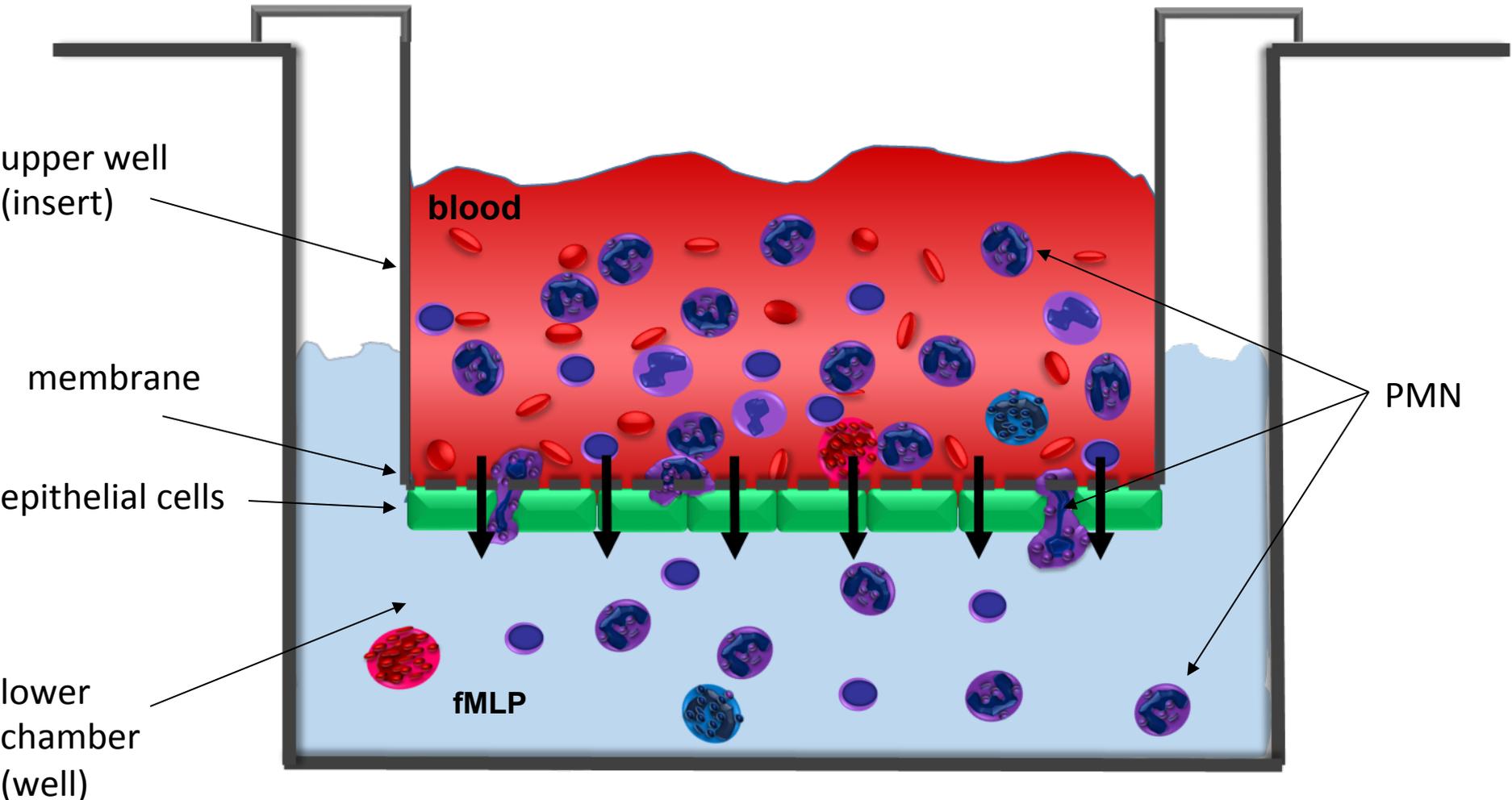
B



C



Supplemental figure 3



Supplemental figure 4

-  adhesion molecule
-  antibody
-  fluorochrome
-  PMN

