Supplementary Fig. S1 Comparison of immunostains with myeloperoxidase (MPO), elastase and CD177 antibody to identify neutrophils in detail of coronary thrombus. MPO antibody (A) and elastase antibody (B) show comparable pattern of immunostaining, but with CD177 antibody (C) only a much lower fraction of cells is positive. Immunopositive cells in all panels are dark red. Sections counterstained with haematoxylin. Scale bar: 100 µm.

Supplementary Fig. S2 Semi-quantitative analysis of neutrophils in different types of plaques, a comparison of different anti-neutrophil antibodies. Graphs show the immunostaining scores of myeloperoxidase (MPO) (A, D), CD177 (B, E) and neutrophil elastase (C, F) as indicated in vertical axis, observed in plaque (A–C) and in adventitia area (D–F) as indicated in horizontal axis. All three antibodies reveal the same pattern: neutrophils are rare in intact plaques, and are frequently encountered in all three types of complicated plaques. Asterisks (*) indicate significant difference (p < 0.05). Still, the immunostaining scores observed with α-CD177 antibodies are lower than with α-MPO and α-neutrophil elastase (NE) antibodies. Semi-quantitative scores of each case (n = 64) are presented as scatter dot plots; horizontal bars represent the median values in each panel.