Supplementary Figure 5. Lamellipodia formation of VEGF-treated HUVECs in the presence of Sema4A-Fc or mutant Rac

HUVECs were infected with adenovirus encoding mutant Rac and adenovirus encoding GFP so that GFP-positive cells should express mutant Rac. After treatment of VEGF (50 ng/ml) with or without Sema4A (50 nM), cells were stained with Phalloidin-rhodamine. The formation of lamellipodia of GFP-positive cells was estimated by the criteria that lamellipodia is a cytoskeletal actin projection on the leading edge of the cells and ranges from 1 mm to 5 mm in breadth and is approximately 0.2 mm thick (Weed-, Scott-A, J. Cell. Biol., 151: 29-40, 2000). The bar graph shows counts of cells with the lamellipodia per 40 cells at each condition.