Supplemental Material.

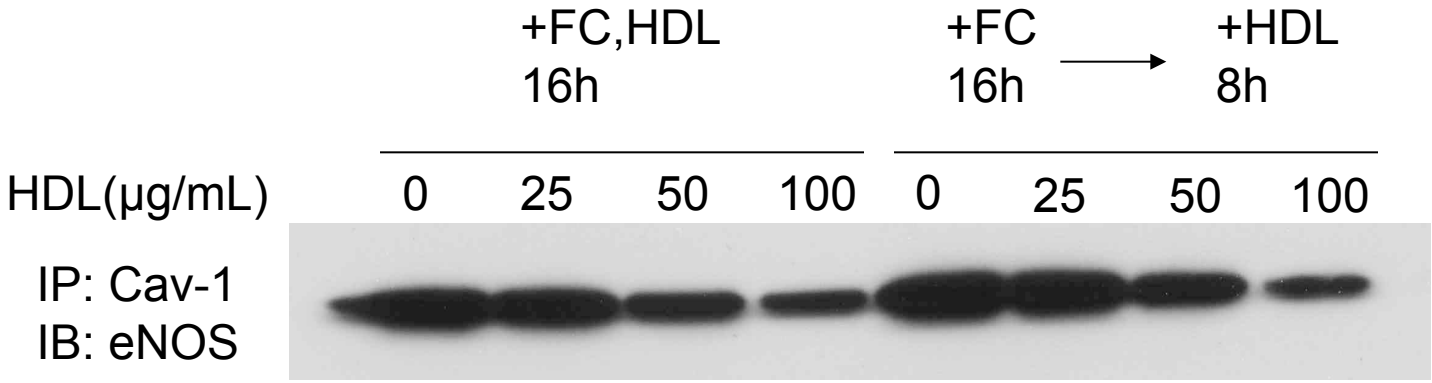

Figure I. Effect of simultaneous and consecutive incubation with cholesterol and HDL on cav-1/eNOS interaction in HAECs. HAECs were incubated with cholesterol (40 μg/ml) for 16 h in the presence of increasing concentrations of HDL (0-100 μg/ml) (left) or were incubated with cholesterol (40 μg/ml) followed by incubation with increasing concentrations of HDL (0-100 μg/ml) (right). An immunoprecipitation using cav-1 antibody was performed and a Western blot for eNOS was carried out on the immunoprecipitate.

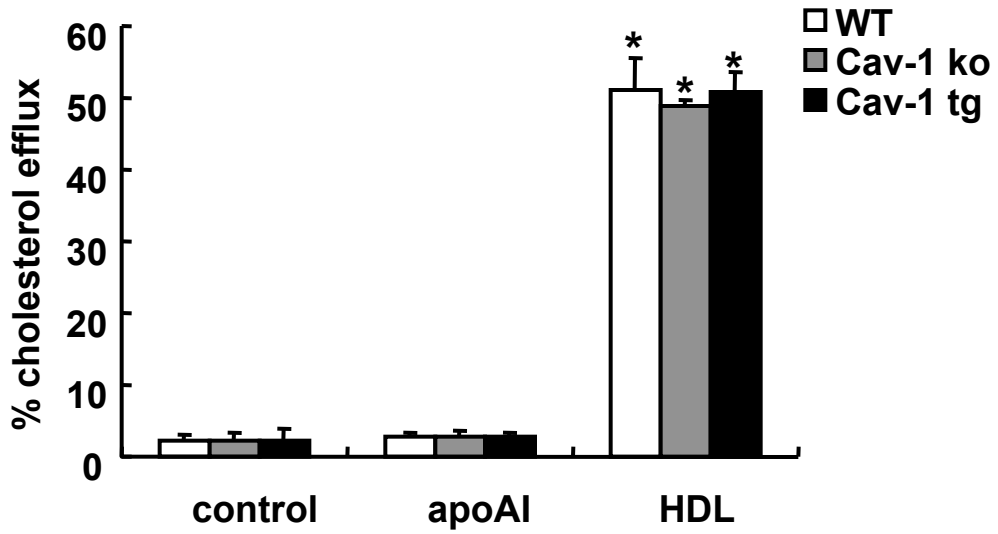

Figure II. Effect of caveolin-1 on cholesterol efflux from MLECs. Wild-type (WT; white bars), caveolin-1 knockout (Cav-1 ko; grey bars) and caveolin-1 transgenic (Cav-1 tg; black bars) MLECs were incubated with cholesterol (40 μg/mL) and without (control) or with apoAI (10 μg/mL) or with HDL (100 μg/mL) for 16 h, after which cholesterol mass in the media and cells was measured using gas-chromatography and the % cholesterol efflux was calculated. *P<0.05, control vs HDL.

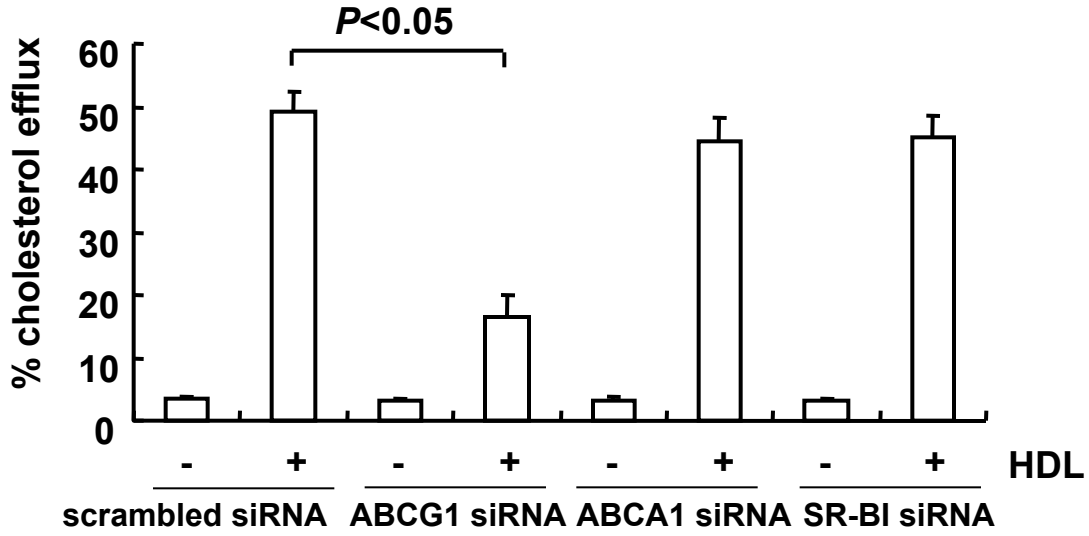

Figure III. Effect of ABCG1, ABCA1, and SR-BI on cholesterol efflux from MLECs. Wild-type MLECs were transfected with scrambled siRNA, ABCG1 siRNA, ABCA1 siRNA, or SR-BI siRNA, and incubated with cholesterol (40 μg/mL) without or with HDL (100 μg/mL) for 16 h, after which cholesterol mass in the media and cells was measured using gas-chromatography and the % cholesterol efflux was calculated. *P*<0.05 indicates significant difference between the HDL condition in the scrambled siRNA transfected cells vs the ABCG1 siRNA transfected cells.