

Atorvastatin improve inflammatory response in atherosclerosis by up-regulating the expression of GARP

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Supplement Data

(A) The relative GARP mRNA expression in scrambled siRNA (MOI=100), GARP-siRNA (MOI=100) or atorvastatin co-cultured activated splenic Tregs and non-activated splenic Tregs, in vitro. Repeated times n=5, and all *p and **p<0.01.

(B) The relative GARP protein expression in scrambled siRNA (MOI=100), GARP-siRNA (MOI=100) or atorvastatin co-cultured activated splenic Tregs, in vitro. Repeated times n=5, and all *p and **p<0.01.

(C) Percentage of Th1 cells were determined by surface staining of CD4 and INF γ in PMA/Ionomycin stimulated splenic lymphocytes derived from scrambled group (Scrambled), oral atorvastatin + scrambled group (O.A. + Scrambled) and oral atorvastatin + GARP-siRNA group (O.A. + GARP-siRNA). Data were from 6 mice per group (n=6) and independently confirmed, all *p, **p and ***p <0.05.

(D) Percentage of Th2 cells were determined by surface staining of CD4 and IL-4 in PMA/Ionomycin stimulated splenic lymphocytes derived from scrambled group (Scrambled), oral atorvastatin + scrambled group (O.A. + Scrambled) and oral atorvastatin + GARP-siRNA group (O.A. + GARP-siRNA). Data were from 6 mice per group (n=6) and independently confirmed, all *p, **p and ***p <0.05.

(E) Percentage of Th17 cells were determined by surface staining of CD4 and IL-17 in PMA/Ionomycin stimulated splenic lymphocytes derived from scrambled group (Scrambled), oral atorvastatin + scrambled group (O.A. + Scrambled) and oral atorvastatin + GARP-siRNA group (O.A. + GARP-siRNA). Data were from 6 mice per group (n=6) and independently confirmed, all *p, **p and ***p <0.05.

Supplement Data:

