

References

1. Burstein, M., HR. Scholnick, and R. Morfin. Rapid method for the isolation of lipoproteins from human serum by precipitation with polyanions. *J Lipid Res.* 1970;11: 583-595.
2. Usui, S., Y. Hara, S. Hosaki, and M. Okazaki. A new on-line dual enzymatic method for simultaneous quantification of cholesterol and triglycerides in lipoproteins by HPLC. *J Lipid Res.* 2002; 43:805-814.

Supplemental Figure Legends

Supp. Figure 1.

After 0, 0.25, 0.5, 1, 2, 4, 6 μ l standard plasma (type A apoA-II concentration : 25mg/dL) were separated by SDS-PAGE, apoA-II was determined by western blot analysis with specific antisera. The standard curve demonstrated a linear relationship between area measurements and the amount of standard plasma or apoA-II in the range of 1–4 μ l or 0.25 μ g–1 μ g respectively. Thus, we could estimate apoA-II concentrations from 12.5 to 50 mg/dL using 2 μ l plasma. A. Result of western blot analysis. B. Area measurements of each band were quantitated using a densitometric image analyzer with NIH Image.

Supplemental table 1.

Comparison of plasma HDL cholesterol concentration determined by precipitation method (HDL-cholesterol E-Test) and HPLC procedure^a

Strain	(M)	Injected amyloid fibrils ^b	HDL-C		TC		(mg/dl)
			HDL-C E-test ^c	HPLC	TC E-test ^c	HPLC	
WT	0	DDW	47.0±10.8	48.5	63.6±13.4	63.2	
WT	4	DDW	35.8±3.2	39.6	52.6±3.9	55.8	
WT	4	AApoAII(C) 100 µg	37.5±9.9	43.6	60.0±3.8	62.2	
KO	0	DDW	10.4±0.7	5.0	14.6±1.6	14.2	
KO	4	DDW	24.6±0.7	23.1	36.1±1.9	43.0	
KO	4	AApoAII(C) 100 µg	16.6±1.9	11.5	25.6±2.2	27.0	

^a HDL-C was estimated according to a phosphotungstic acid-magnesium salt precipitation method (HDL-cholesterol E-Test kit) (1). Plasma total cholesterol was determined using an enzymatic procedure (Total cholesterol E-test kit). HDL-C and TC of pooled plasma were also analyzed with an enzymatic procedure following HPLC (2).

^b 2-month-old female mice were injected with either DDW or 100 µg AApoAII(C) amyloid fibrils. Before and 4 months after injection, plasma was collected from mice that had fasted overnight.

^c Values are means ± sd. n = 3.

Supplemental Figure 1

