Supplementary data

Soluble RAGE blocks scavenger receptor CD36-mediated uptake of hypochlorite-modified low-density lipoprotein

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Figure I

ox-PAPC inhibits binding of HOCl-LDL to CD36 and SR-BI :

CHO cells overexpressing CD36 (CHO-CD36) or SR-BI (CHO-SR-BI) were incubated with ^{125}I-labeled HOCl-LDL (1 μg/ml; oxidant:protein molar ratio of 400:1) at 37°C for 2 h in the absence or presence of specific anti-CD36 or anti-SR-BI blocking antiserum (10 μl/ml) or ox-PAPC (50 μg/ml) and cell association was measured as described in Materials and Methods. Values are averages of triplicate determinations from one representative experiment out of two, and error bars represent ± SD. Characterization of biologically active phospholipids in ox-PAPC was not performed during the present study. Watson and coworkers (1, 2) and Subbanagounder et al. (3) have identified PGPC and POVPC, PEIPC and PECPC as major products formed during autooxidation of PAPC and minimally modification of LDL.

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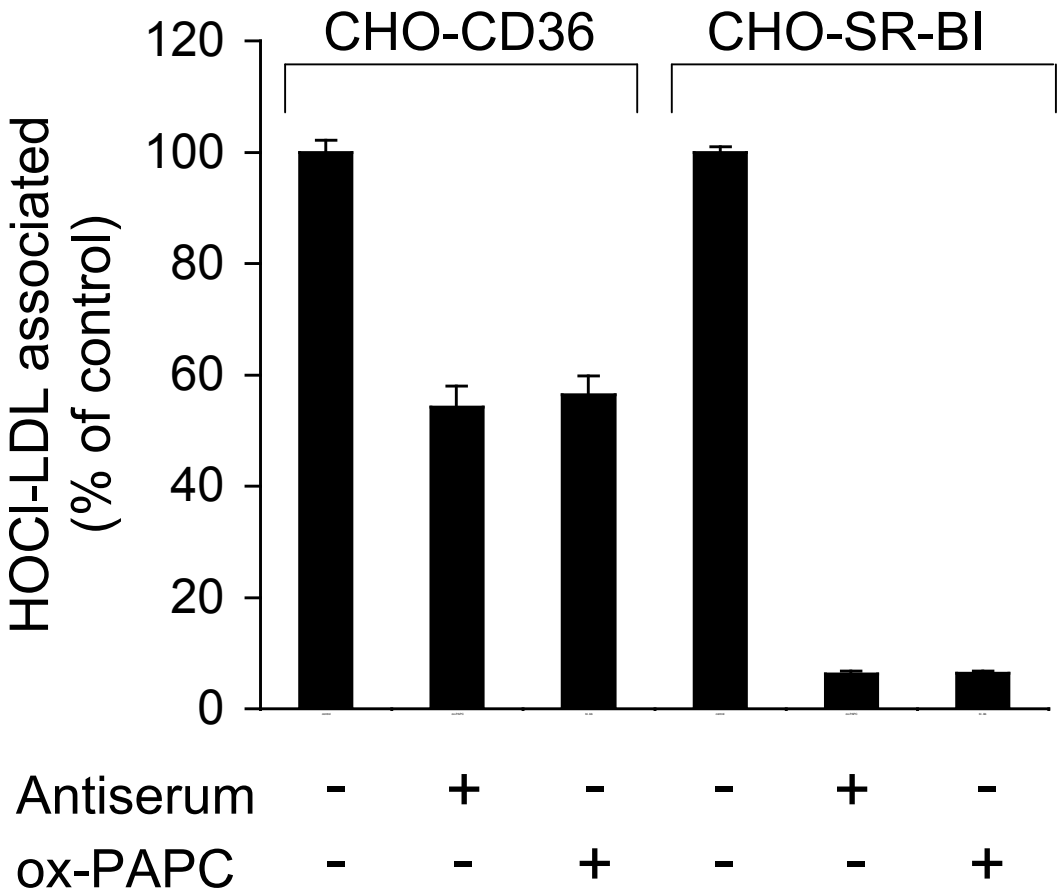
CHO-CD36
CHO-SR-BI
HOCl-LDL associated
(% of control)
120
100
80
60
40
20
0
Antiserum - + - - + -
ox-PAPC - - + - - +