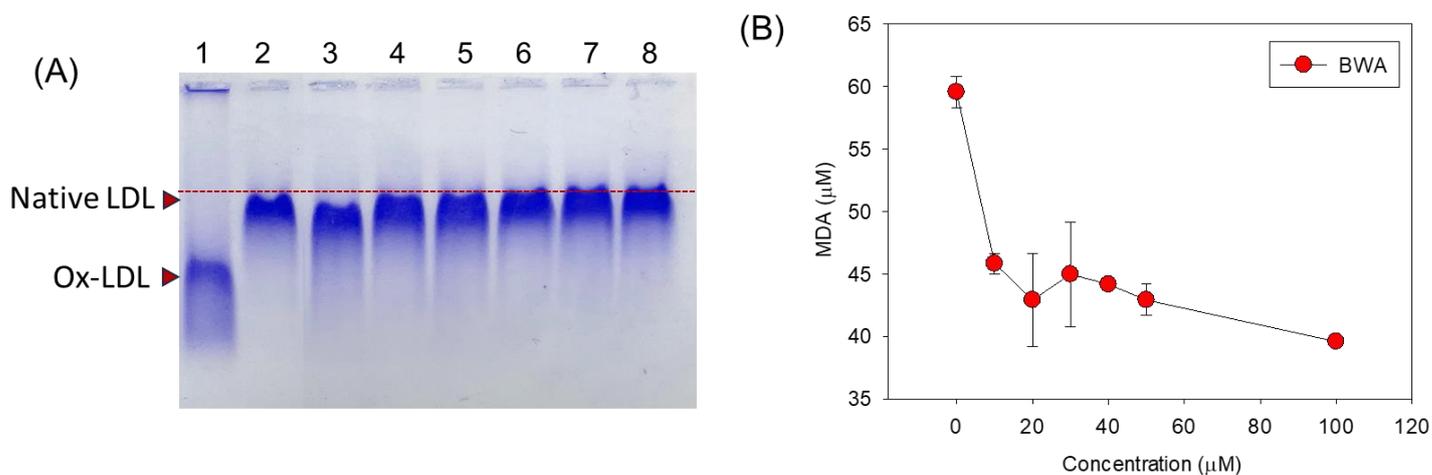
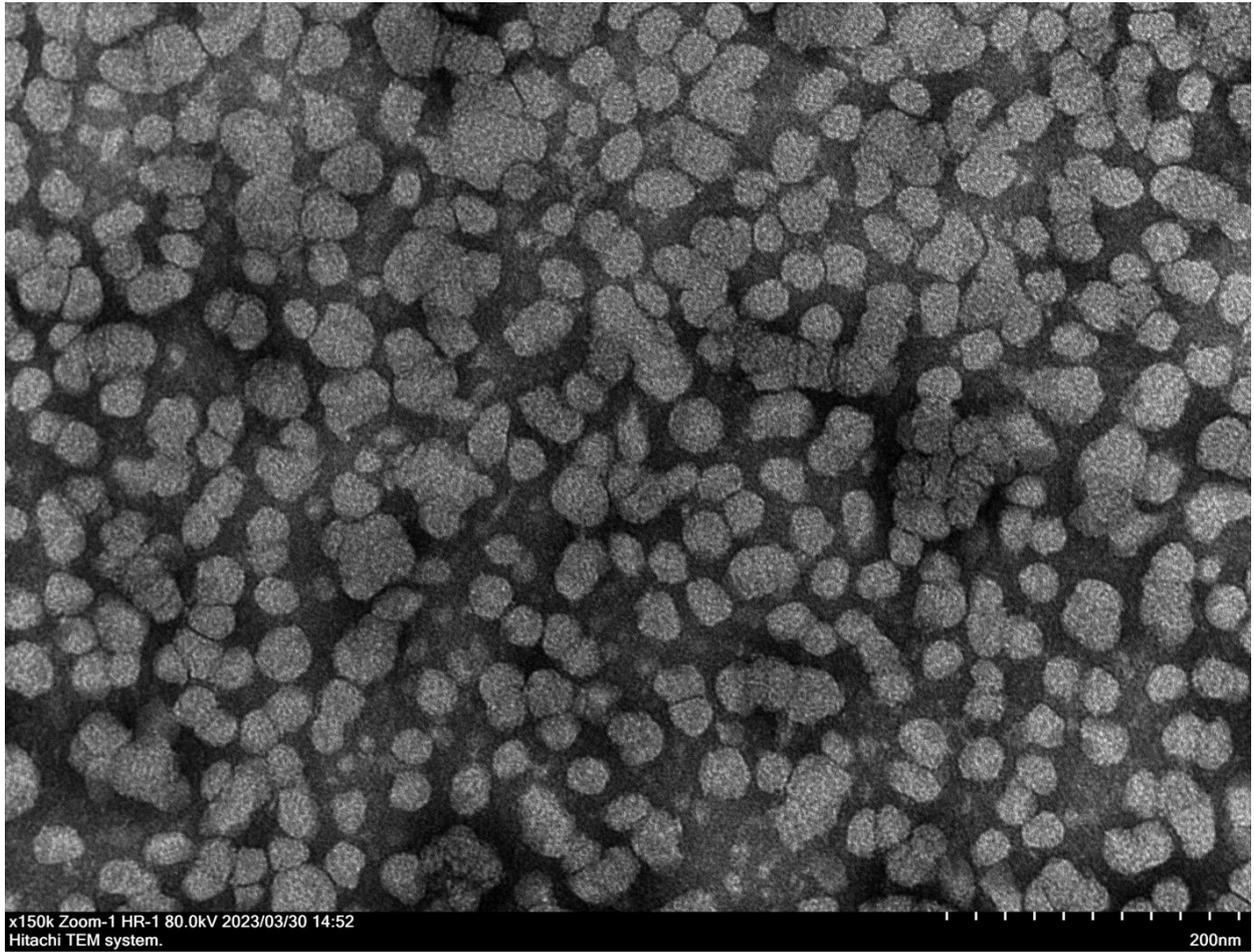


Supplementary material

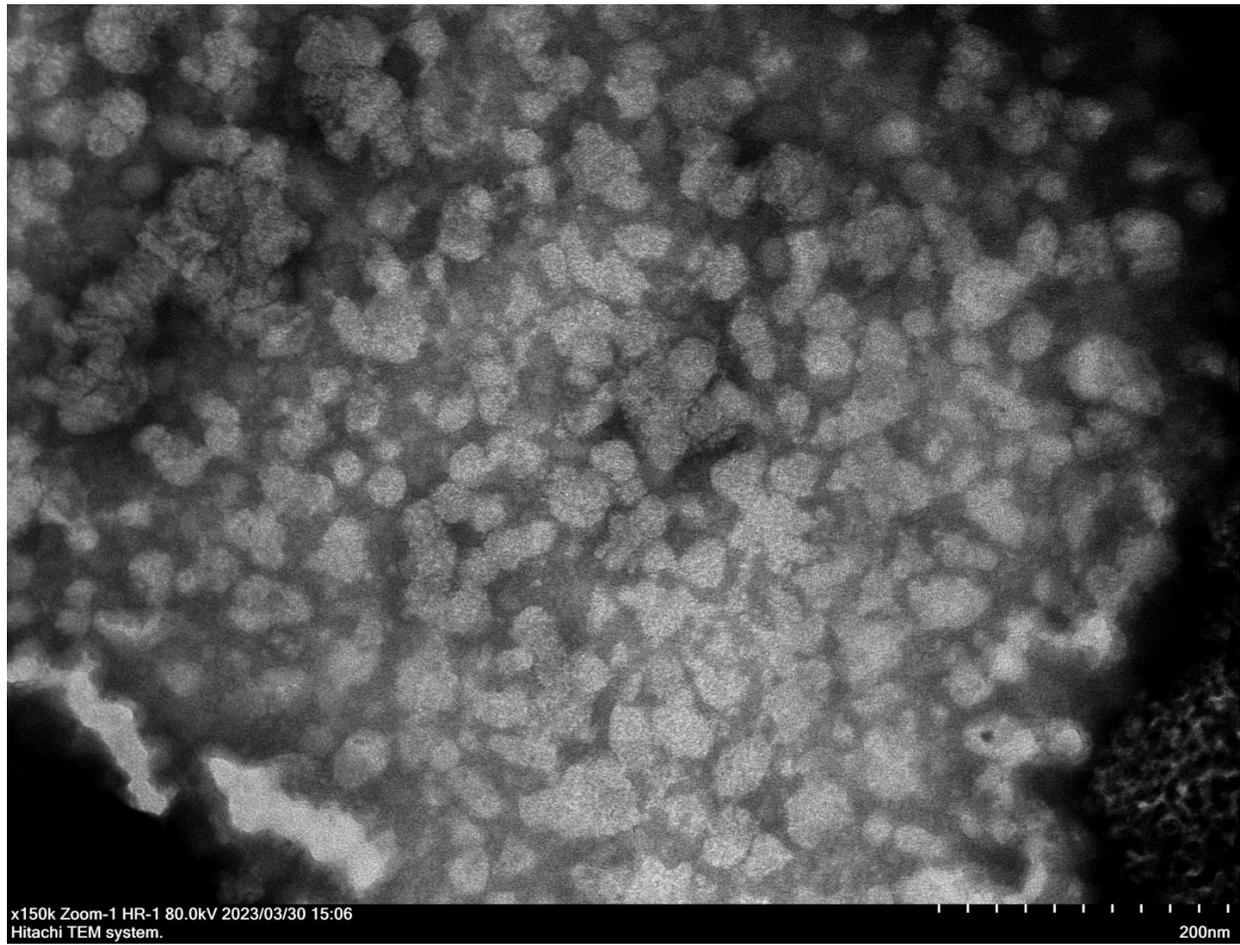


Supplementary Figure S1. Effect of beeswax alcohol (BWA) on CuSO_4 induced oxidation of LDL. **(A)** Electrophoretic mobility of apo-B fraction of LDL. Lanes 1 represent LDL+ CuSO_4 (Ox LDL), Lane 2 represent Native LDL, Lane 3, 4, 4, 5, 7, 8 represent LDL+ CuSO_4 treated with 10, 20, 30, 40, 50 and 100 μM BWA. Electrophoresis was performed on 0.5% agarose gel using Tri-EDTA buffer (pH 8.0) at a constant voltage (50 V). The red dotted line indicates a similar electromobility front. **(B)** Quantification of CuSO_4 -induced LDL oxidation in the presence and absence of BWA. The LDL oxidation was quantified by thiobarbituric acid reactive substance (TBARS) assay using malondialdehyde (MDA) as reference.

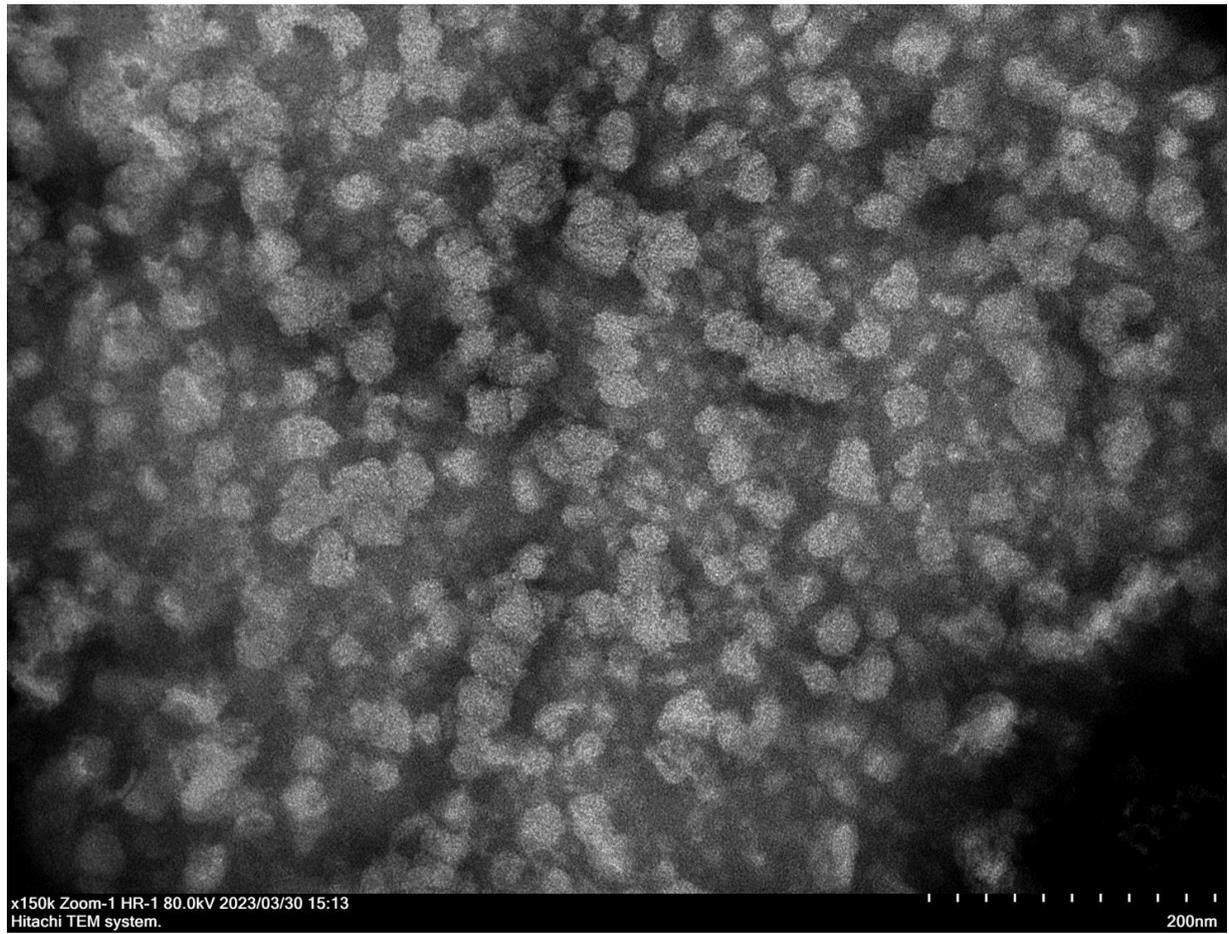
Supplementary Figure S2.



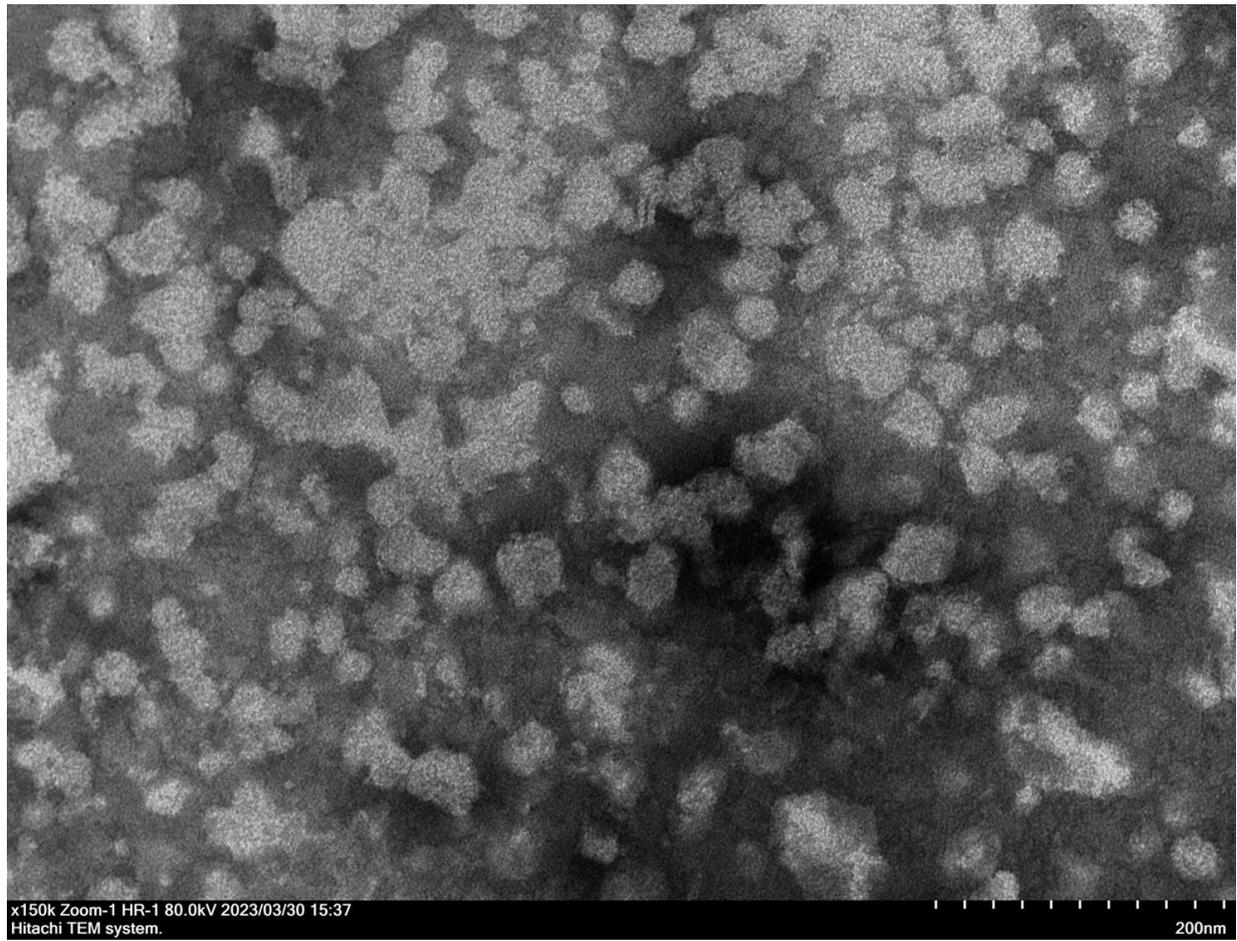
Supplementary Figure S3.



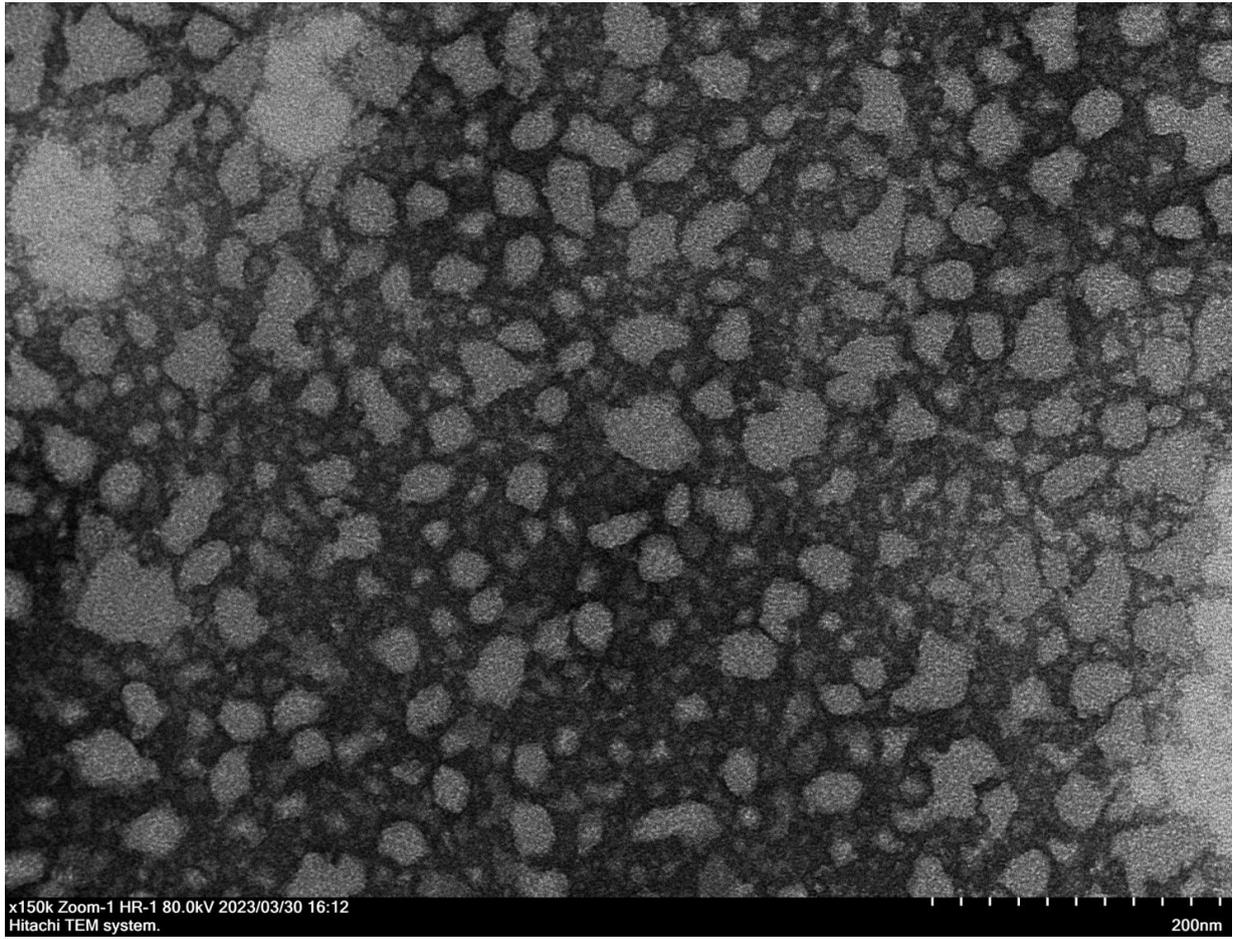
Supplementary Figure S4.



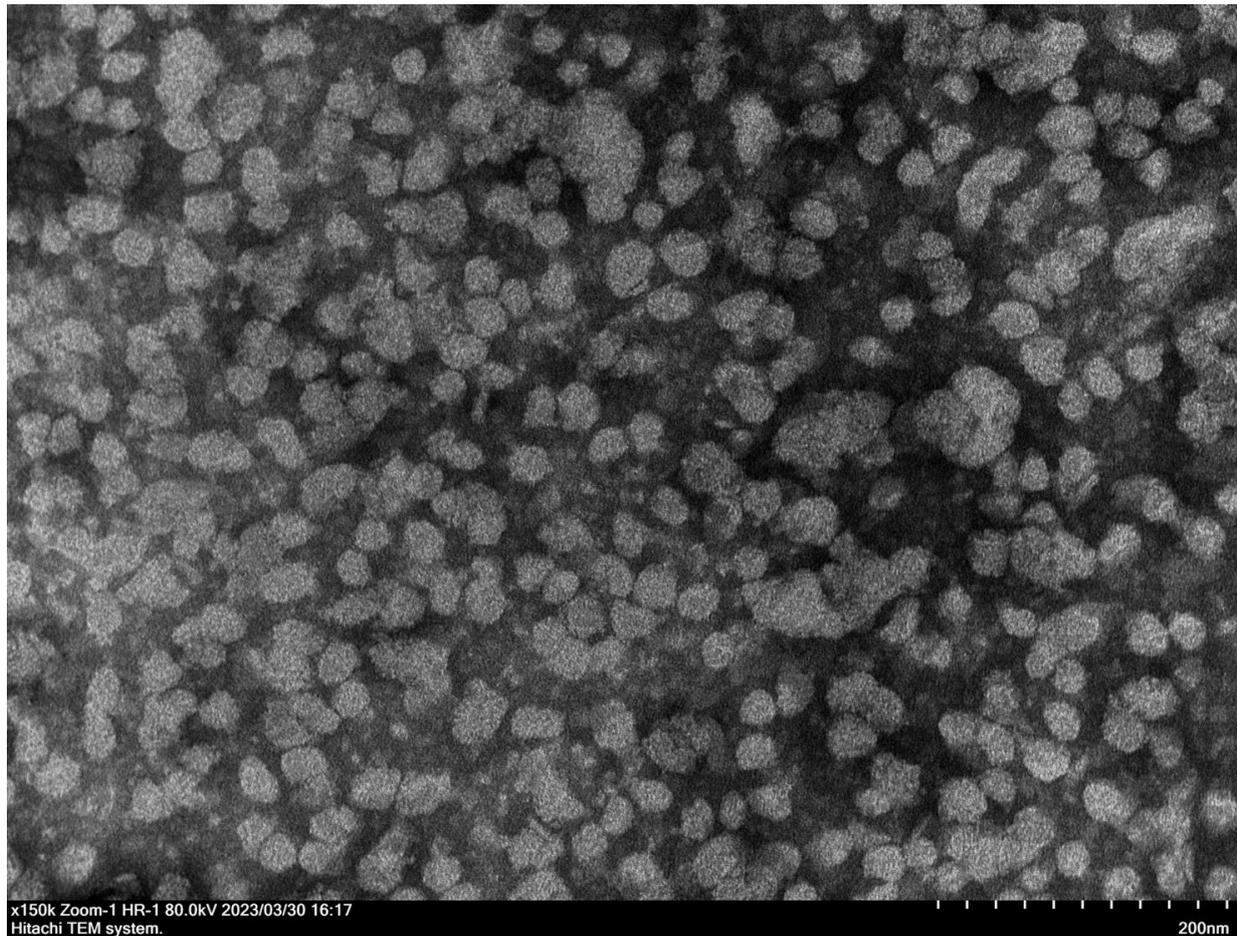
Supplementary Figure S5.



Supplementary Figure S6.



Supplementary Figure S7.



Supplementary Figures S2–S7. Magnified image representing the effect of beeswax alcohol (BWA) on size and structural alteration of LDL probed by transmission electron microscope (TEM). **Figure S2.** TEM images of native LDL. **Figure S3.** TEM images of LDL treated with CuSO_4 . **Figure S4,S5,S6,S7** LDL treated with CuSO_4 in the presence of 10, 20, 30, 40 μM BWA, respectively.