

Supplementary Information

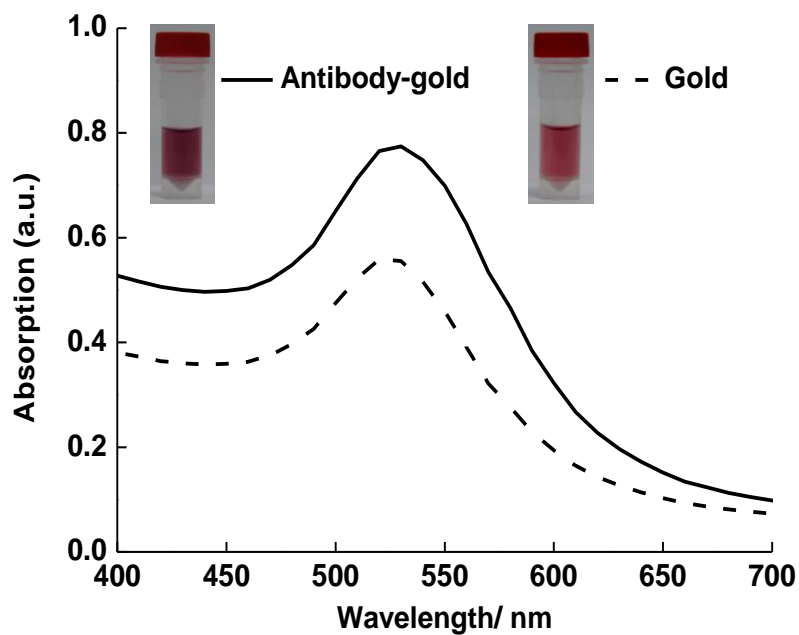


Figure S1 The UV-Vis absorption of gold nanoparticles. Solid line: gold nanoparticles conjugated with second antibody; dash line: goat-anti-rabbit IgG gold nanoparticles.

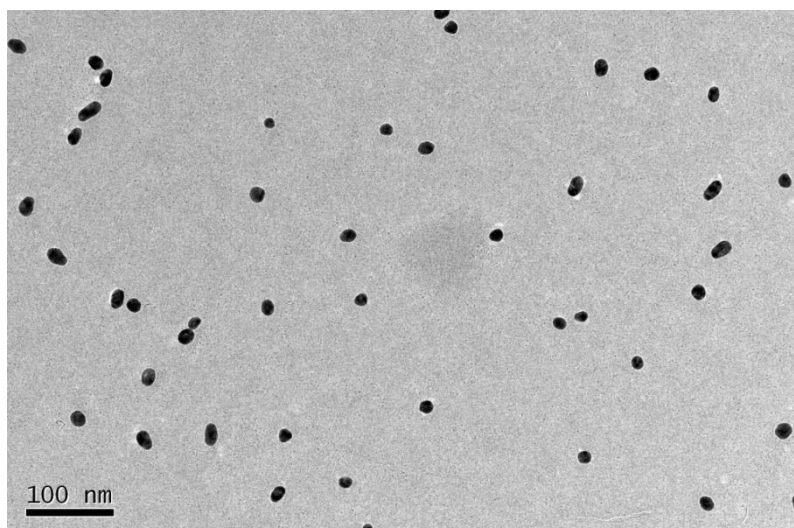


Figure S2 TEM image of goat-anti-rabbit IgG gold nanoparticles.

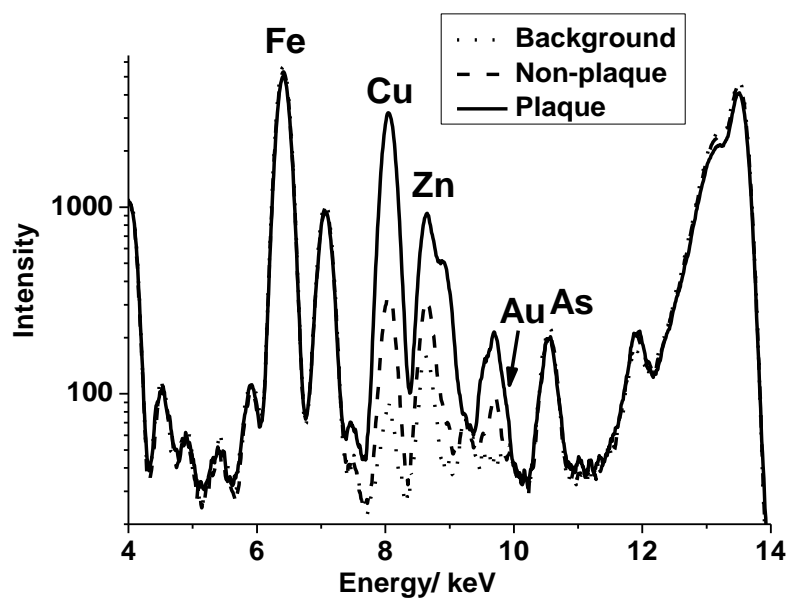


Figure S3 Typical SR- μ XRF spectrum of metals in the amyloid plaque of a 16-month-old AD brain.