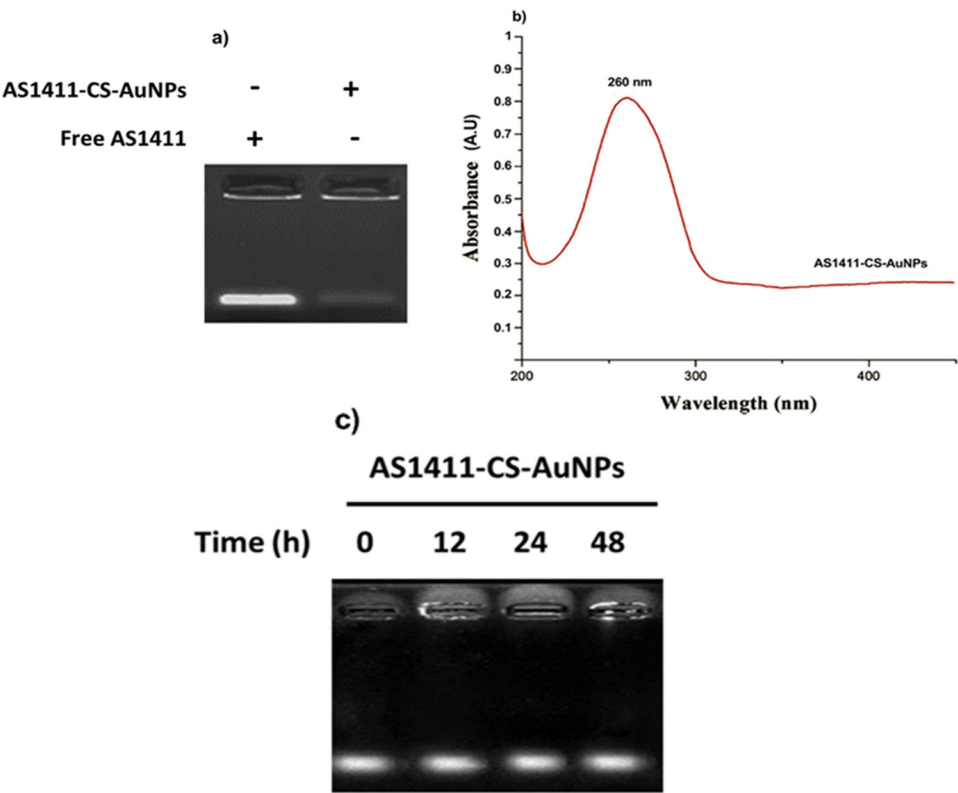
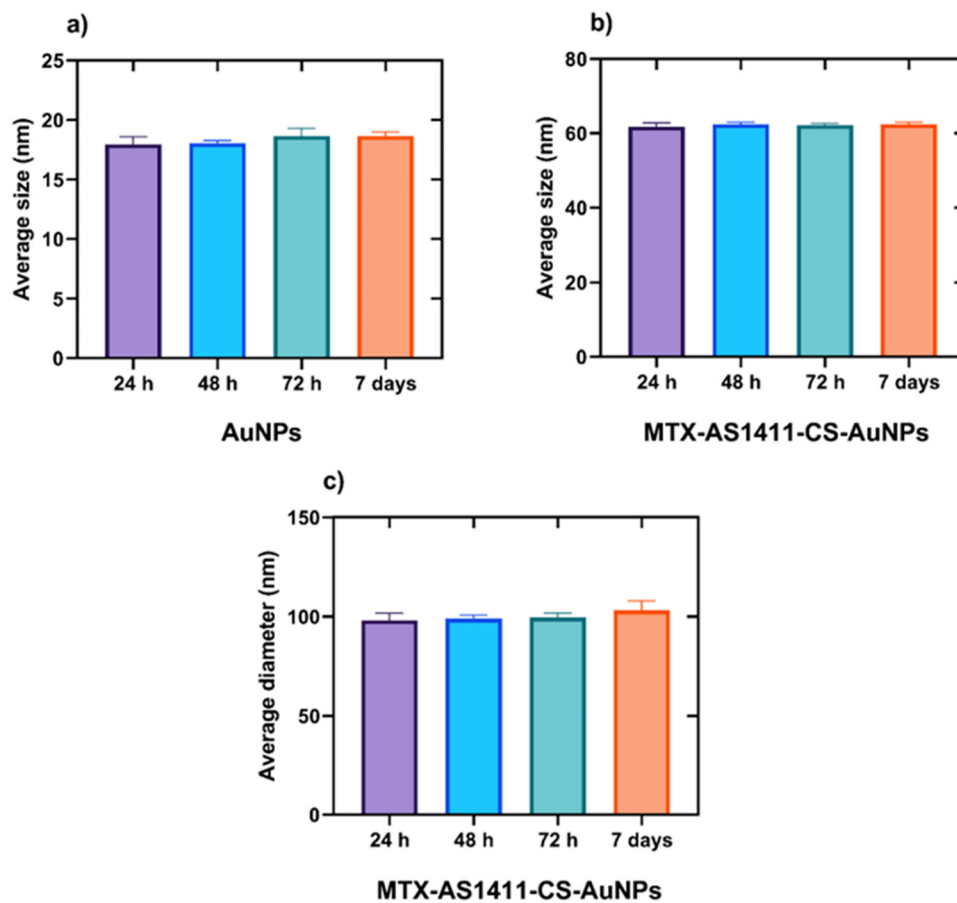


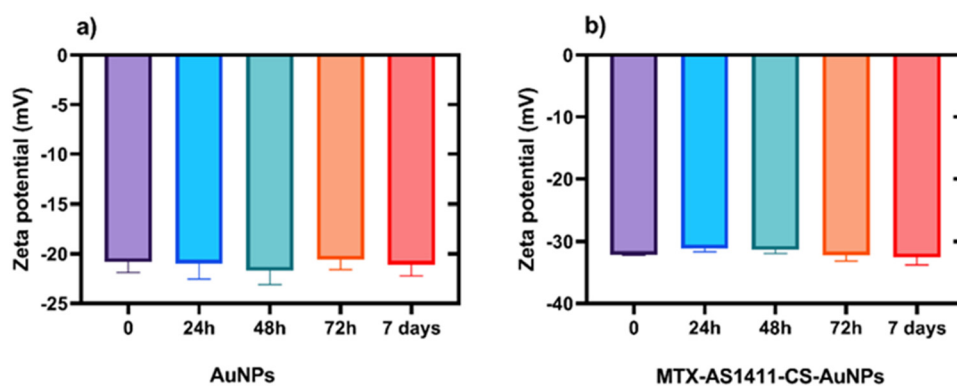
# Supplementary material



**Figure S1:** Confirmation of AS1411 absorption on the surface of CS-AuNPs via (a) agarose gel electrophoresis (2% w/v) and (b) UV spectrophotometer. (c) Confirmation of CS-AuNPs protection against AS1411 release in the serum environment (pH 7.5) using agarose gel electrophoresis (2% w/v).



**Figure S2:** Effect of pH 7.5 on the average size changes of AuNP (a) and MTX-AS1411-CS-AuNPs (b) over time. (c) Effect of pH pH 5.5 on the average diameter changes of MTX-AS1411-CS-AuNPs over time.



**Figure S3:** Zeta potentials of the AuNP (a) and MTX-AS1411-CS-AuNPs (b).