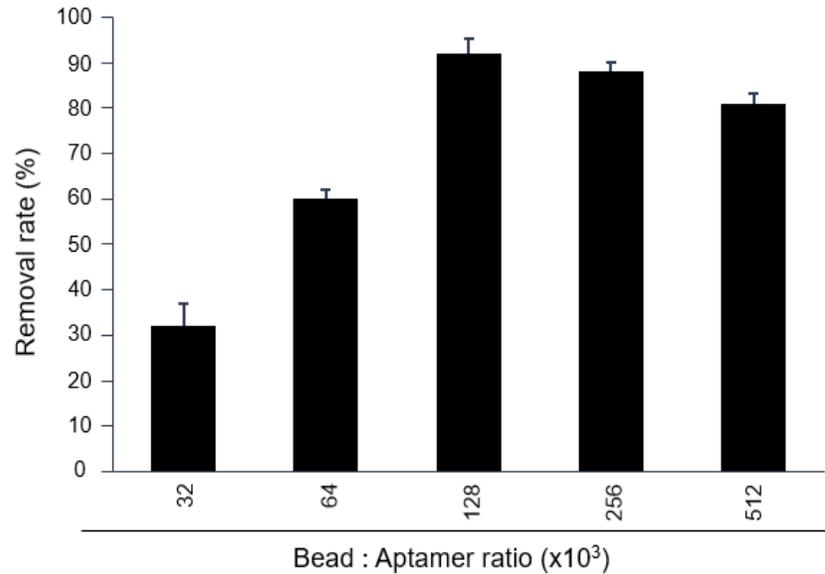
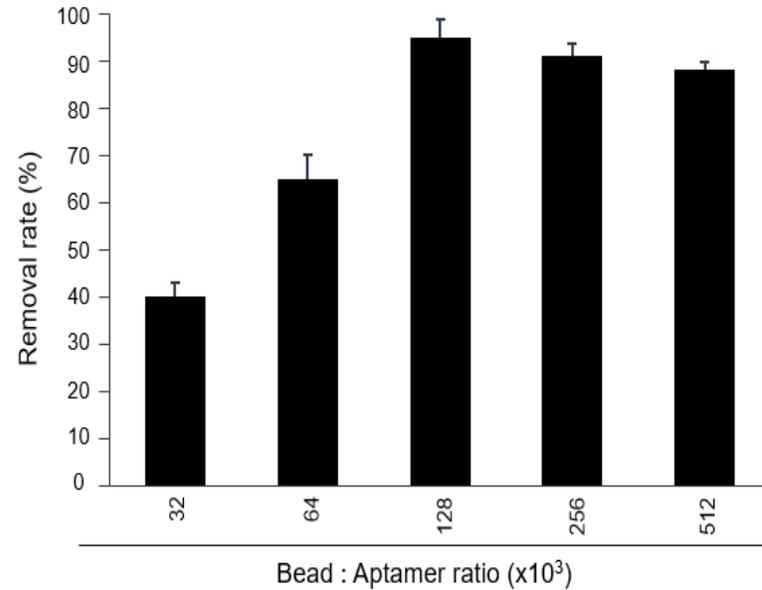


Figure S1. Verification of aptamers binding capacity at each Aptamer/bead ratio via ICP/OES analysis

(a) RNA N1 2174



(b) DNA FA-N3



(c) DNA FA-M3

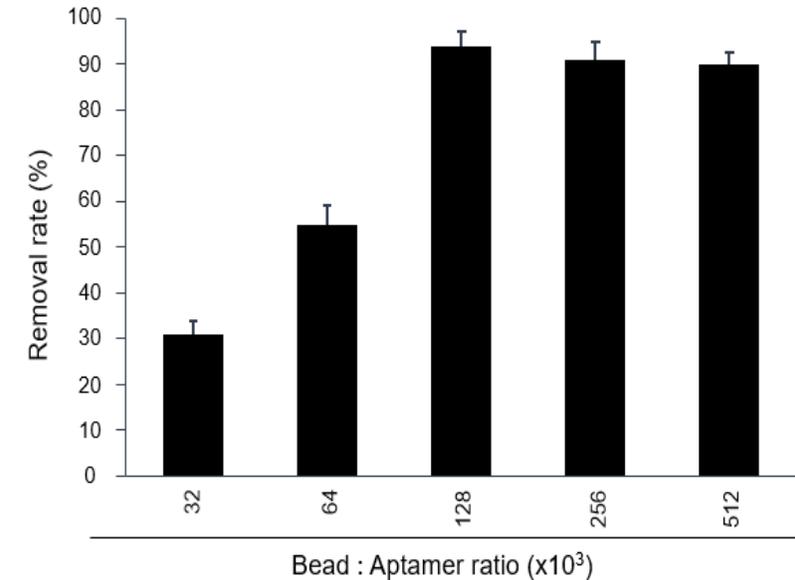


Figure S. Verification of aptamers binding capacity. (a) Verification of N1 2174 aptamer Ni^{2+} binding capacity at each aptamer-to-bead ratio by ICP/OES analysis. (b) Verification of FA-N3 aptamer Ni^{2+} binding capacity at each aptamer-to-bead ratio by ICP/OES analysis. (c) Verification of FA-M3 aptamer Mn^{2+} binding capacity at each aptamer-to-bead ratio by ICP/OES analysis. The concentration of ions was measured by ICP/OES after exposure to the indicated aptamer–bead complex. All experiments were repeated three times. The removal rate is expressed as a percentage (passing through/initial ion concentration).