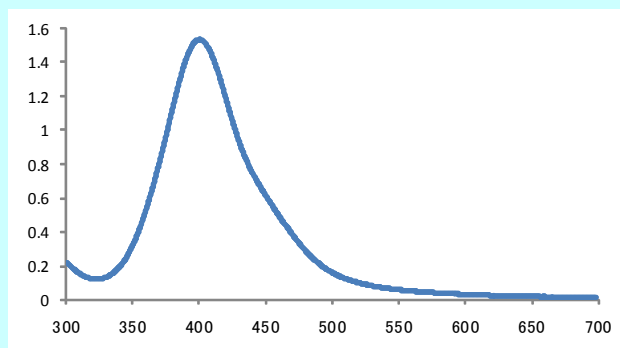
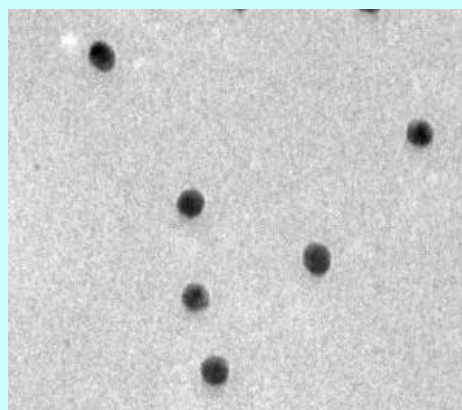


Hot Topic An Improved Visible Marker for Immunochromatography

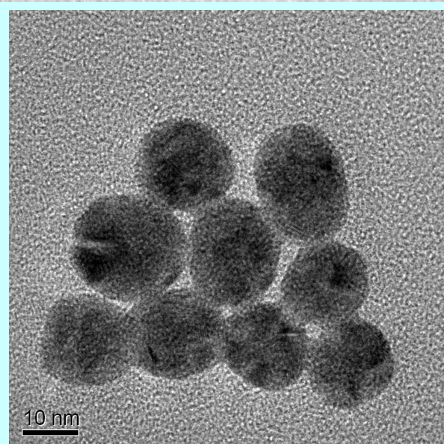
Feature

Higher Visible Intensity Enhanced with Cluster-like Assembly of Ag Nanoparticles

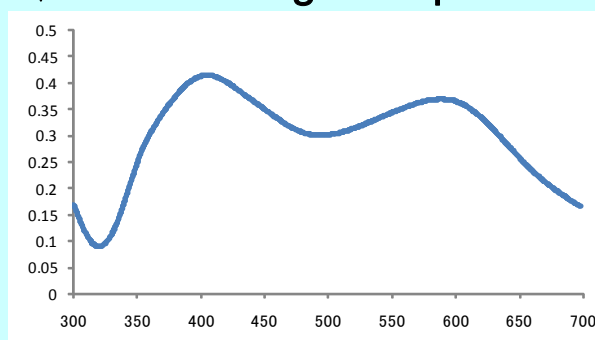
TEM Images, UV/Visible Absorption Spectra & Plasmonic Colors



← ↑ Ag Precursor, ϕ 15nm →



← ↓ Clustered Ag Nanoparticles →



Comparison: Nano Au, ϕ 50nm and Nano Ag, ϕ 50nm



← Au (left), Ag (center), and Clustered Ag (right)

Clustering further enhances intense colors of surface plasmon resonance.

Patent pending

※ This Technology has been brought from the collaboration between Research Center for Compact Chemical Center, Tohoku Center, Advanced Industrial Science and Technology and SHINKO KAGAKU.