

Supporting Information

Hybrid lanthanide nanoparticles as a new class of binary contrast agents for in vivo T_1/T_2 dual-weighted MRI and synergistic tumor diagnosis

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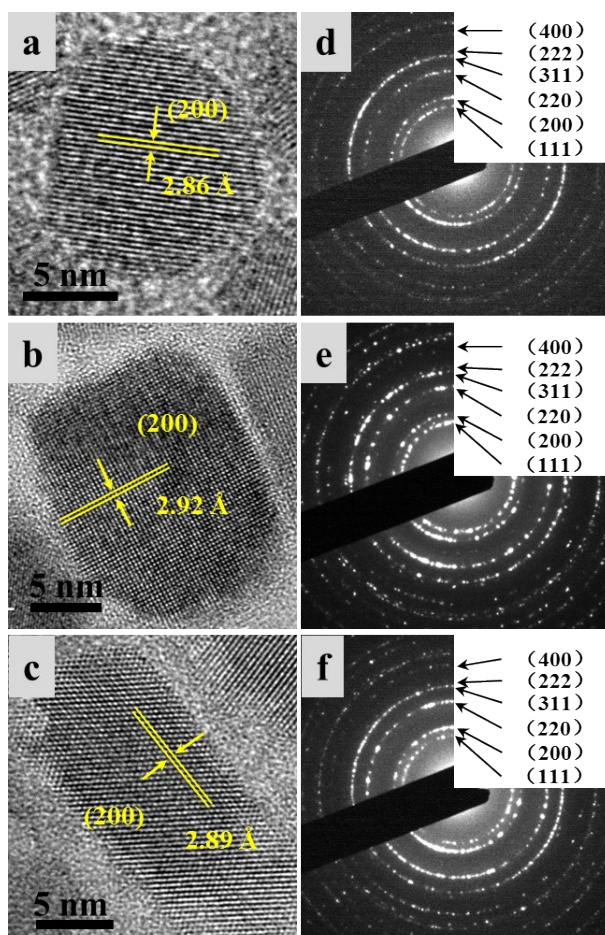


Figure S1. (a-c) HR-TEM images and (d-f) SAED patterns of BaGdF₅:50 mol%Ln³⁺ NPs (Ln³⁺ = Dy³⁺, Er³⁺, or Yb³⁺), respectively.

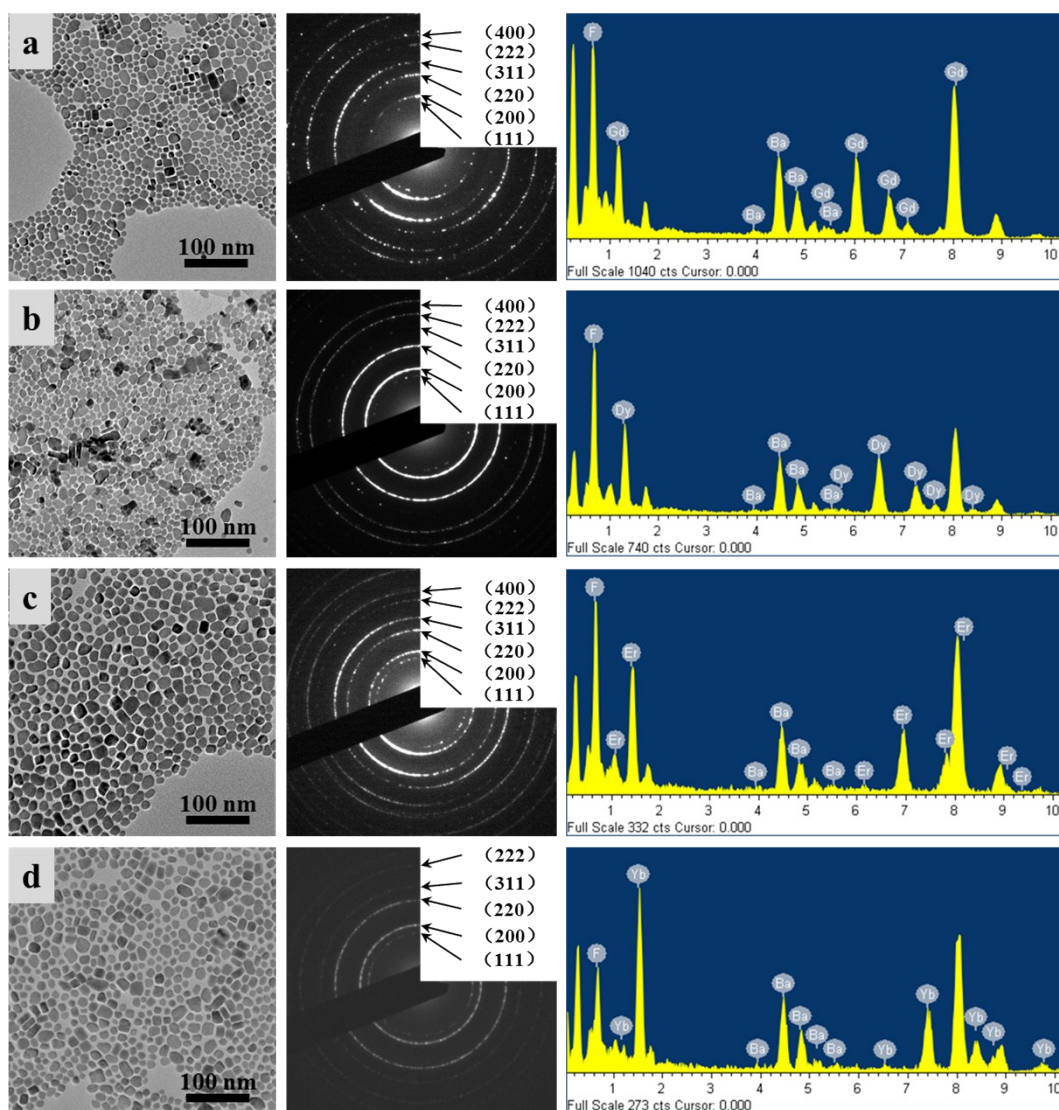


Figure S2. Typical TEM images (left panel), SAED patterns (middle panel), and EDS (right panel) of pure (a) BaGdF₅, (b) BaDyF₅, (c) BaErF₅, and (d) BaYbF₅ NPs, respectively.