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Supporting Information

Nanoscale CaF_2 doped with Eu^{3+} and Tb^{3+} through fluorolytic sol-gel-synthesis

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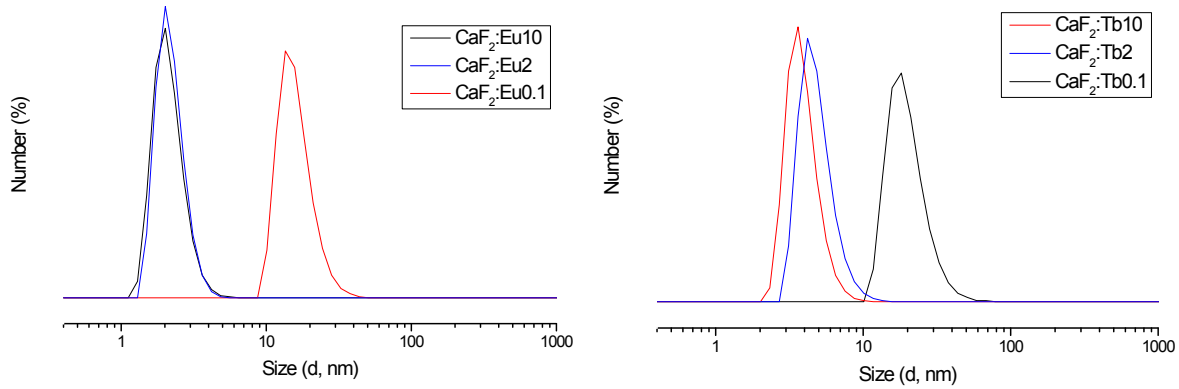

Fig. S1 Particle size distributions of CaF_2:Eu0.1, CaF_2:Eu2, CaF_2:Eu10 (left) and CaF_2:Tb0.1, CaF_2:Tb2, CaF_2:Tb10 (right) by DLS measurement.

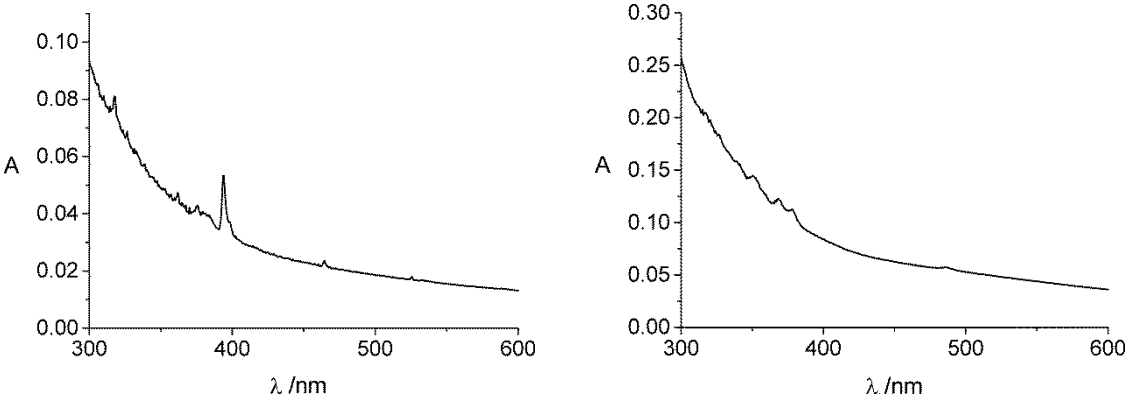

Fig. S2 Representative absorption spectra of clear sols of CaF_2:Eu10 (left) and CaF_2:Tb10 (right).