Supporting Information

Eu/Tb Codoped Spindle-shaped Fluorinated Hydroxyapatite Nanoparticles for Dual-Color Cell Imaging

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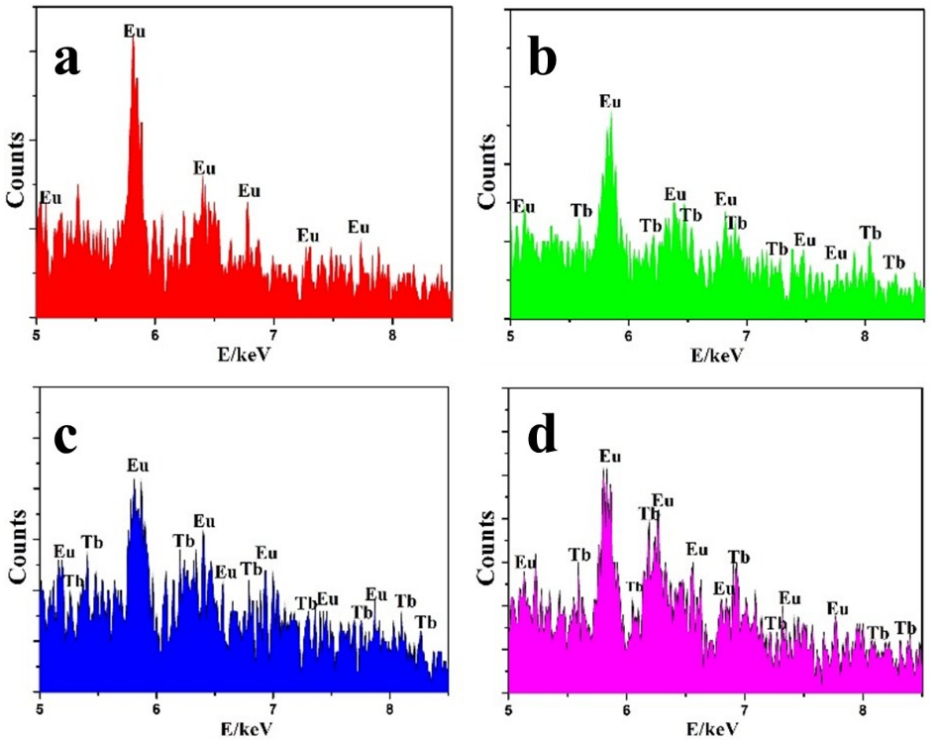

Figure S1. The amplified EDS patterns from 5.0 keV to 8.5 keV. a, 4% Eu doped FAp nanoparticles. b, 4%:4% Eu/Tb codoped FAp nanoparticles. c, 4%;4% Eu/Tb codoped FAp nanoparticles. d, 4%:8% Eu/Tb codoped FAp nanoparticles.

Table S1 The ratio of oleic acid and alcohol for different size FAp nanoparticles

Sample	Oleic acid/ml	Alcohol/ml	Ratio
a	2.2	17.8	1:8
b	4	16	1:4
c	6.7	13.3	1:2
d	10	10	1:1

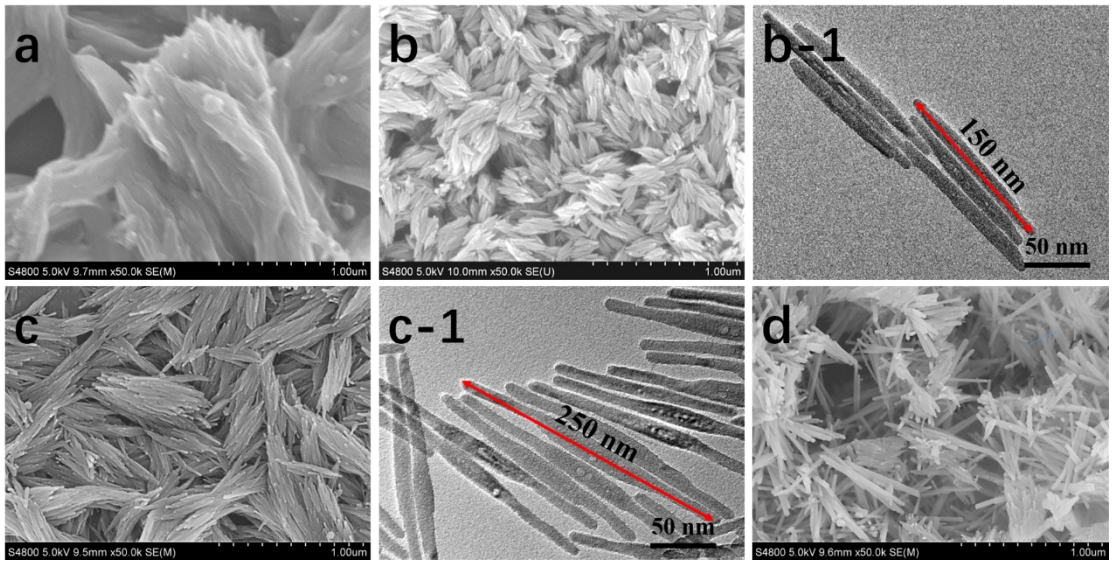

Figure S2 The different morphology and size at the different ratio of oleic acid and alcohol. a, SEM image of the ratio=1:8; b, SEM image of the ratio=1:4; b-1, TEM image of the ratio=1:4; c, SEM image of the ratio=1:2; c-1, TEM image of the ratio=1:2; d, SEM image of the ratio=1:1;

Table S2 The endocytosis efficiency of different size FAp nanoparticles

	Total	Endocytosis by cells	Endocytosis rate
150 nm FAp-1	6 mg	2.83	370 μg/h
150 nm FAp-2	6 mg	3.10	
250 nm FAp-1	6mg	1.95	230 μg/h
250 nm FAp-2	6mg	1.78	