

Supporting Information

Hybrid Preparation of Terbium(III)-doped Mesoporous Silica Particles with Calcium Phosphates

**Takuya Kataoka,^a Kota Shiba,^{*b} Li Ying Wang,^a Shota Yamada^a
and Motohiro Tagaya^{a,c}**

a. Department of Materials Science and Technology, Nagaoka University of Technology, 1603-1 Kamitomioka, Nagaoka, Niigata 940-2188, Japan

b. World Premier International Research Center Initiative (WPI), International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan

c. Top Runner Incubation Center for Academia-Industry Fusion, Nagaoka University of Technology, 1603-1 Kamitomioka, Nagaoka, Niigata 940-2188, Japan

*** Author to whom correspondence should be addressed:**

Tel: +81-29-860-4603; Fax: +81-29-860-4706, E-mail: SHIBA.Kota@nims.go.jp

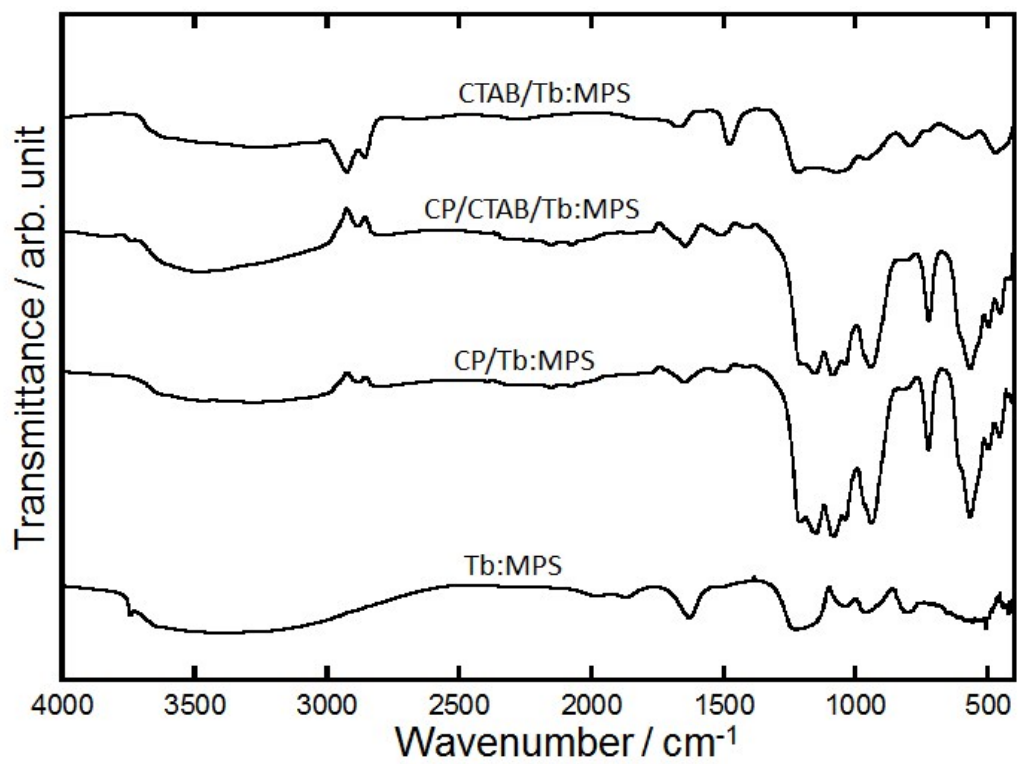


Fig. S1 FT-IR spectra of the CTAB/Tb:MPS, CP/CTAB/Tb:MPS, CP/Tb:MPS and Tb:MPS.