

Supporting Information

Silsesquioxane-based luminescent PMMA nanocomposites

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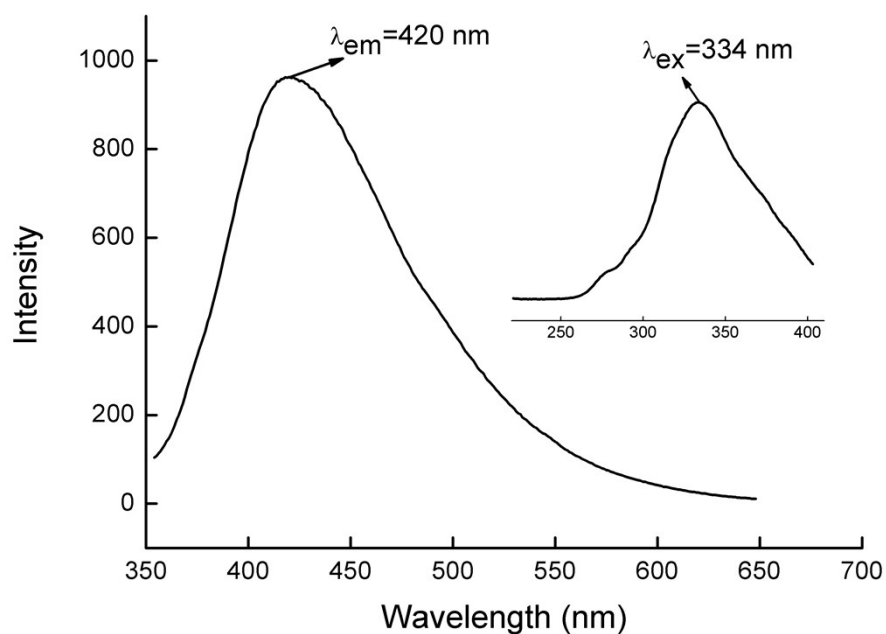


Fig.S1 Emission and excitation spectra of $T_{\text{mix}}\text{-Tb}$ in THF solution.

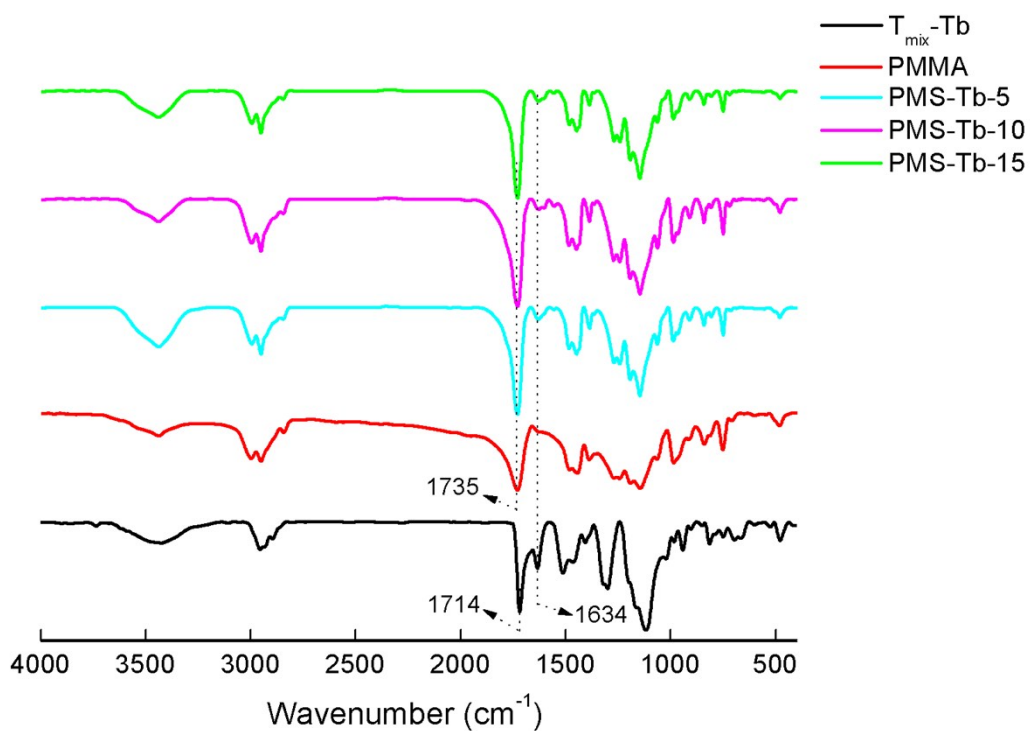


Fig.S2 FT-IR spectra of PMMA, $T_{\text{mix}}\text{-Tb}$ and PMS-Tb.

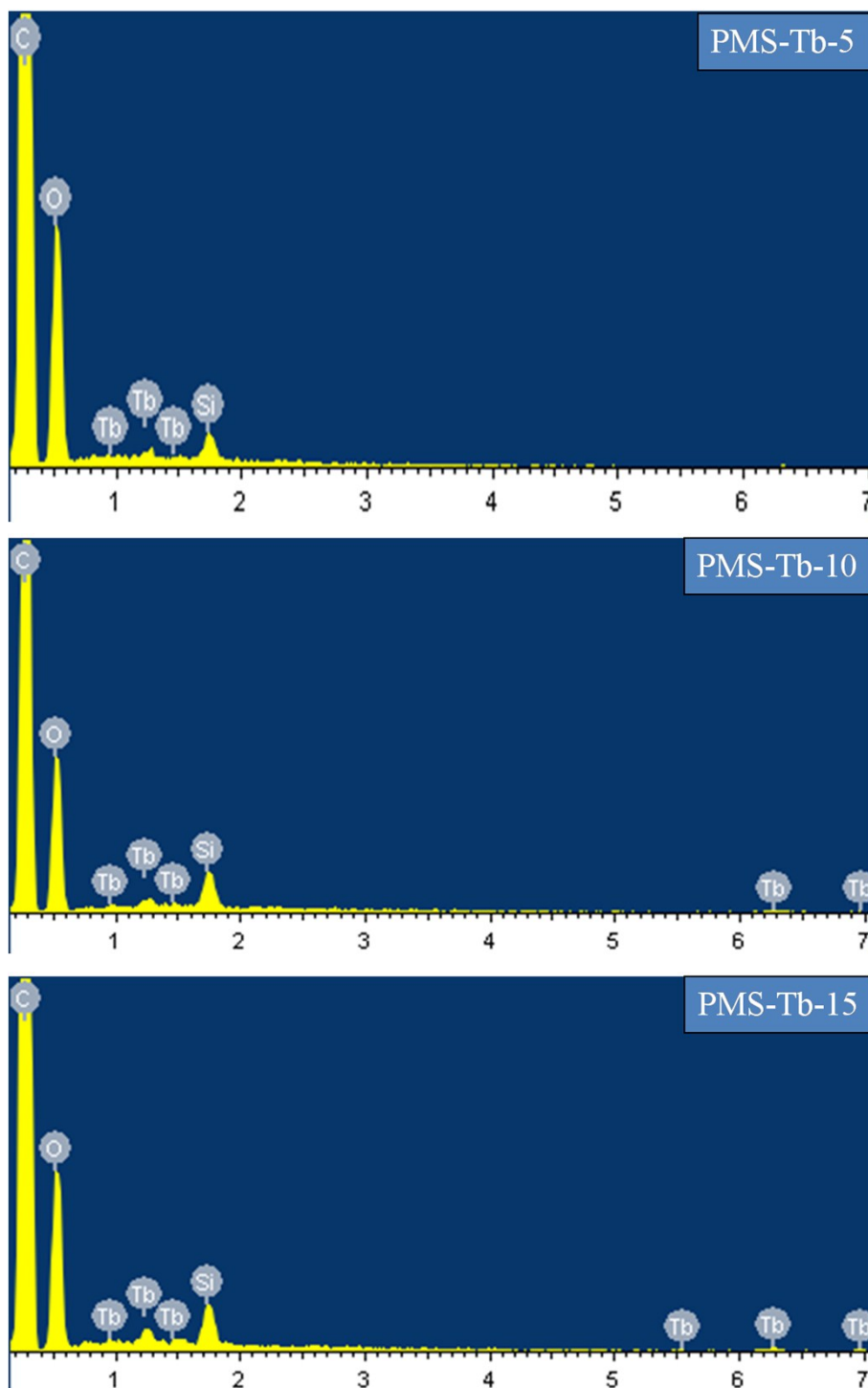


Fig.S3 EDS spectra of PMS-Tb.

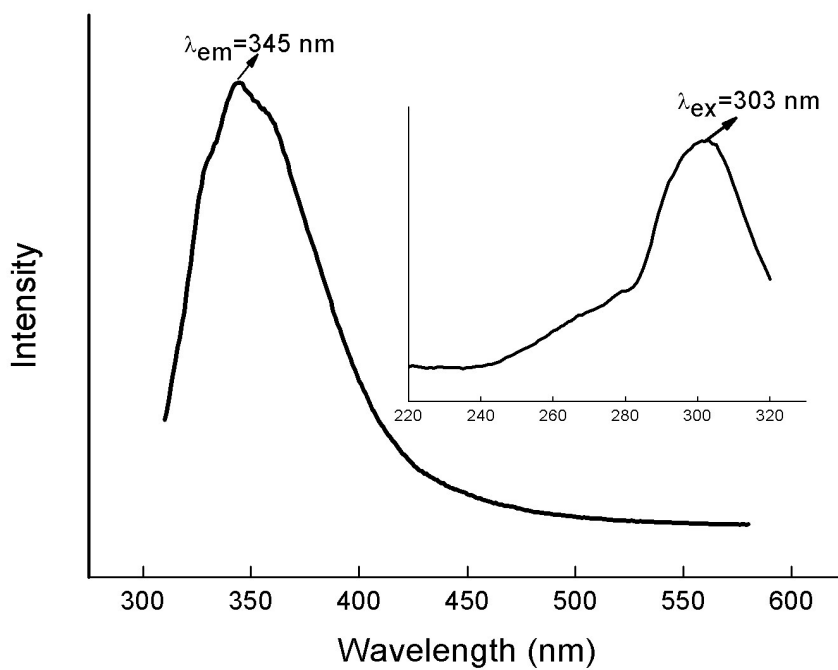


Fig.S4 The luminescence spectra of PMMA.

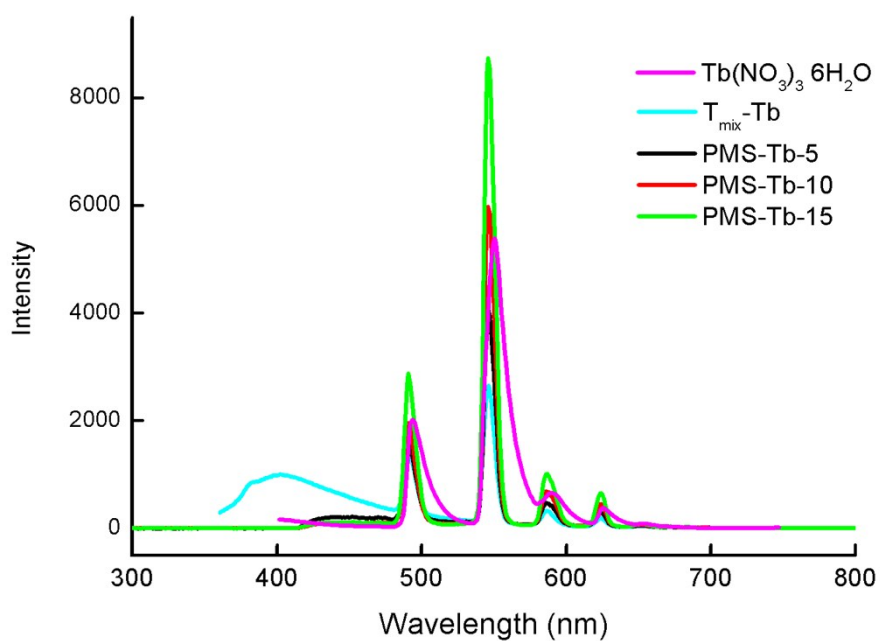


Fig.S5 The luminescence emission spectra of $Tb(NO_3)_3 \cdot 6H_2O$, $T_{mix}-Tb$ and PMS-Tb.

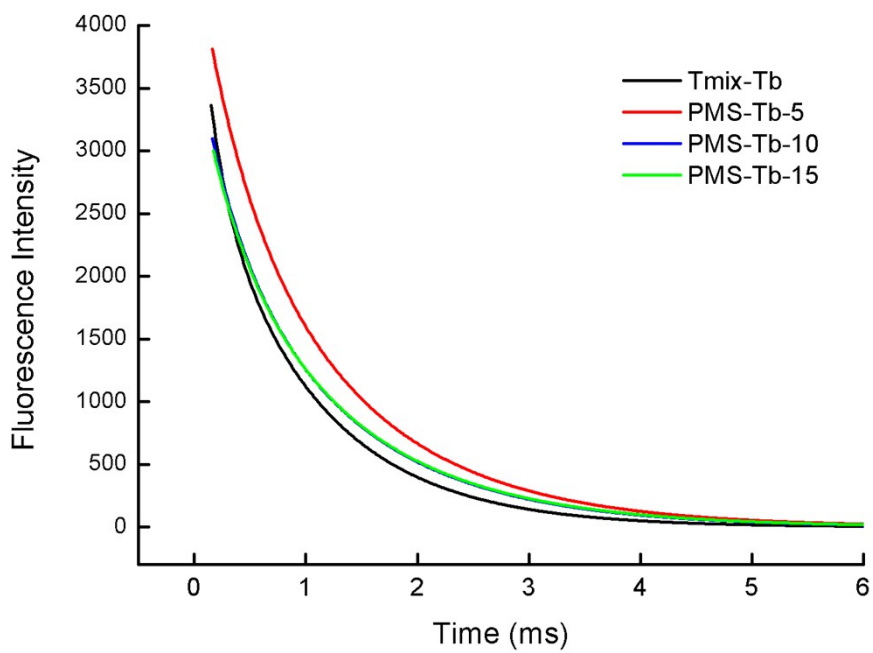


Fig.S6 The luminescent decay curves of T_{mix} -Tb and PMS-Tb.

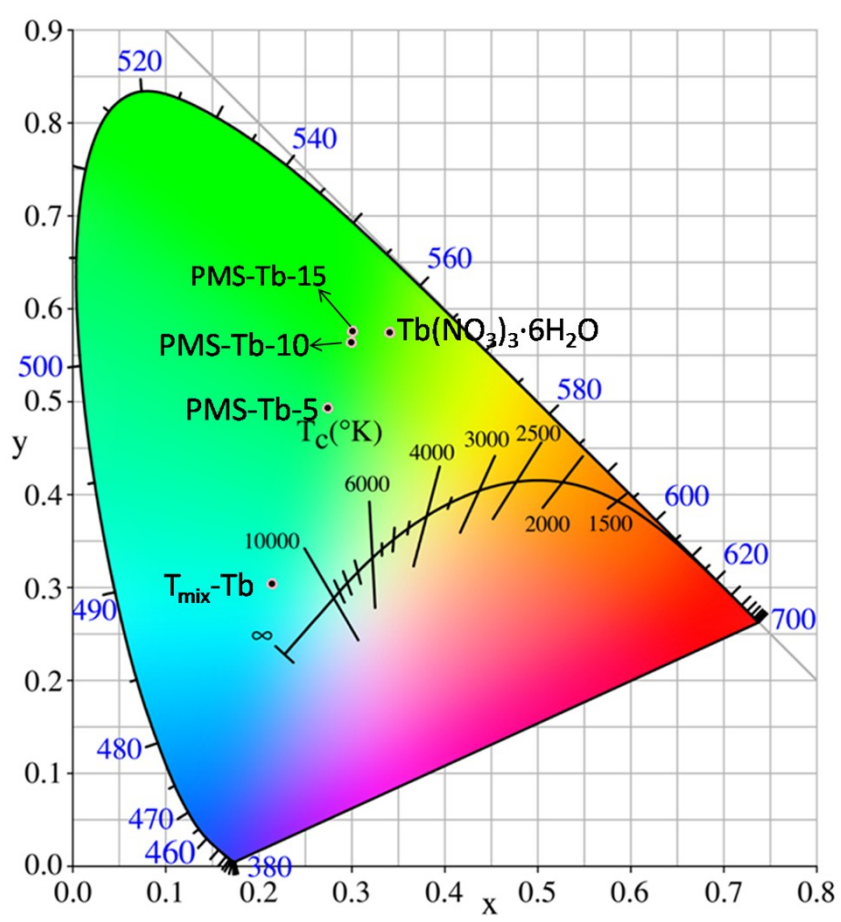


Fig.S7 Color coordinates for $Tb(NO_3)_3 \cdot 6H_2O$, T_{mix} -Tb and PMS-Tb.

Table .S1 Results of EDS spectra of PMS-Tb.

Sample	Experimental Value		Theoretical Value	
	Si%	Tb%	Si%	Tb%
PMS-Tb-5	0.56	0.45	0.44	0.65
PMS-Tb-10	1.08	1.24	0.87	1.22
PMS-Tb-15	1.13	1.71	1.26	1.80