

## Supporting information for:

# Smart Sensing to Cu<sup>2+</sup> in Living Cell by Water-Soluble and Nontoxic Tb<sup>3+</sup>/Eu<sup>3+</sup>-Induced Aggregates of Polysaccharides through Fluorescence Imaging

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FTIR spectra and NMR spectra of the chitosan, hyaluronan, heparin, chi-hep, and chi-hya are shown in Figure S.1 and Figure S.2.

Fig. S.1. FTIR spectra of (a) chitosan, (b) hyaluronan, (c) chi-hya, (d) heparin and (e) chi-hep.

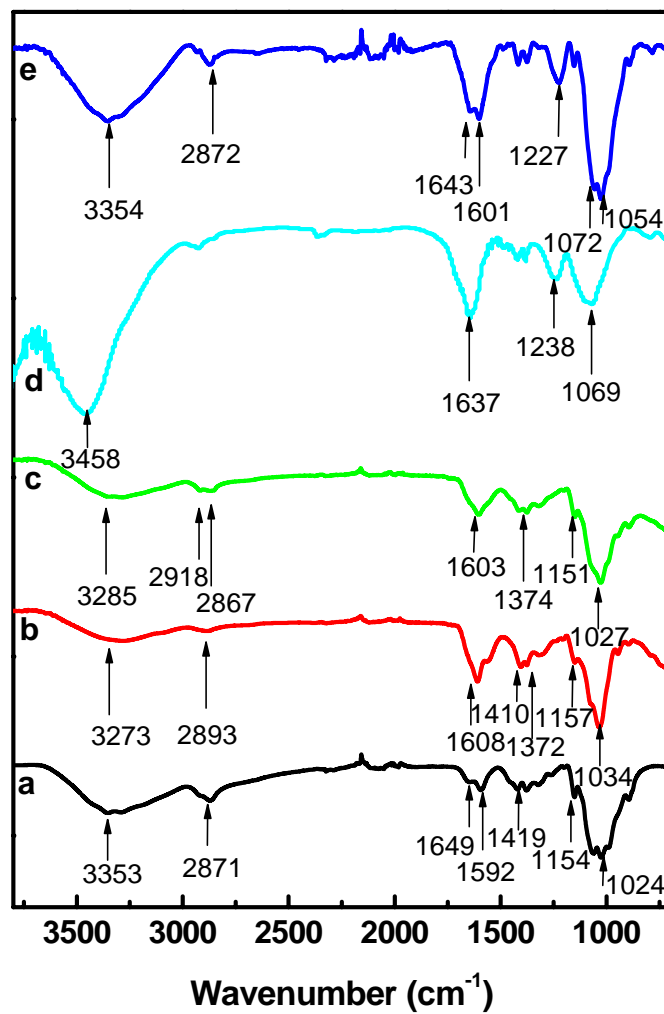


Fig. S.2.  $^1\text{H}$ -NMR spectra of (a) chitosan, (b) heparin, (c) hyaluronan, (d) chi-hep and (e) chi-hya.

