

## Supplementary material

### Injectable in situ dual-crosslinking hyaluronic acid and sodium alginate based hydrogels for drug release

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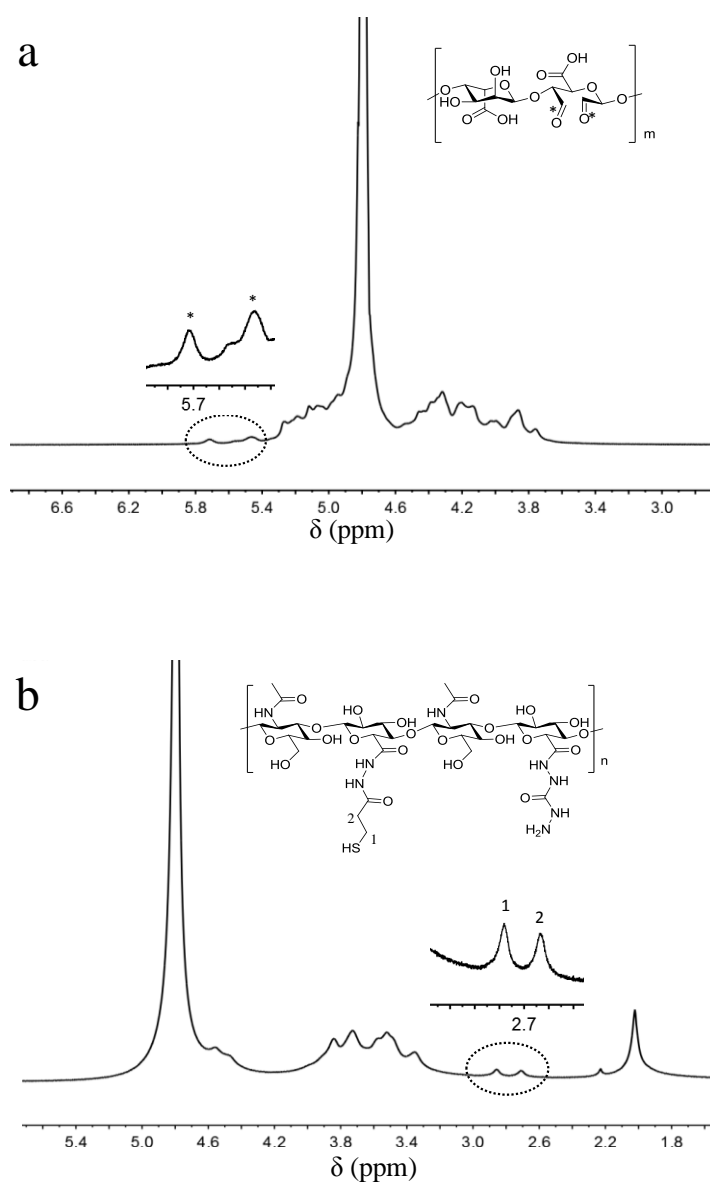


Figure S1. <sup>1</sup>H NMR spectra of (a) oxi-ALG and (b) HA-SH/CDH.

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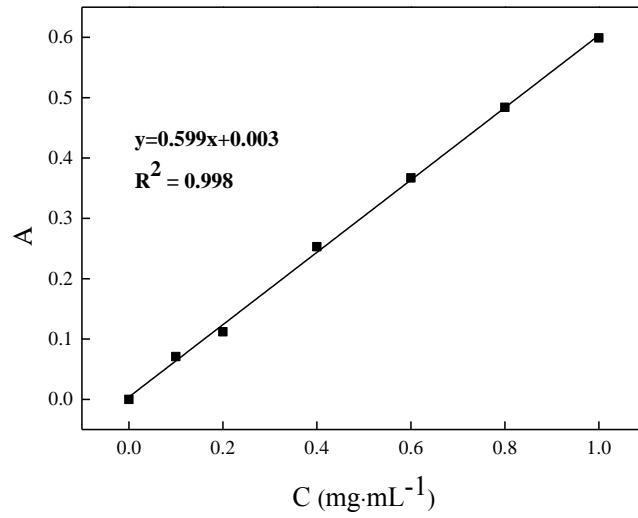
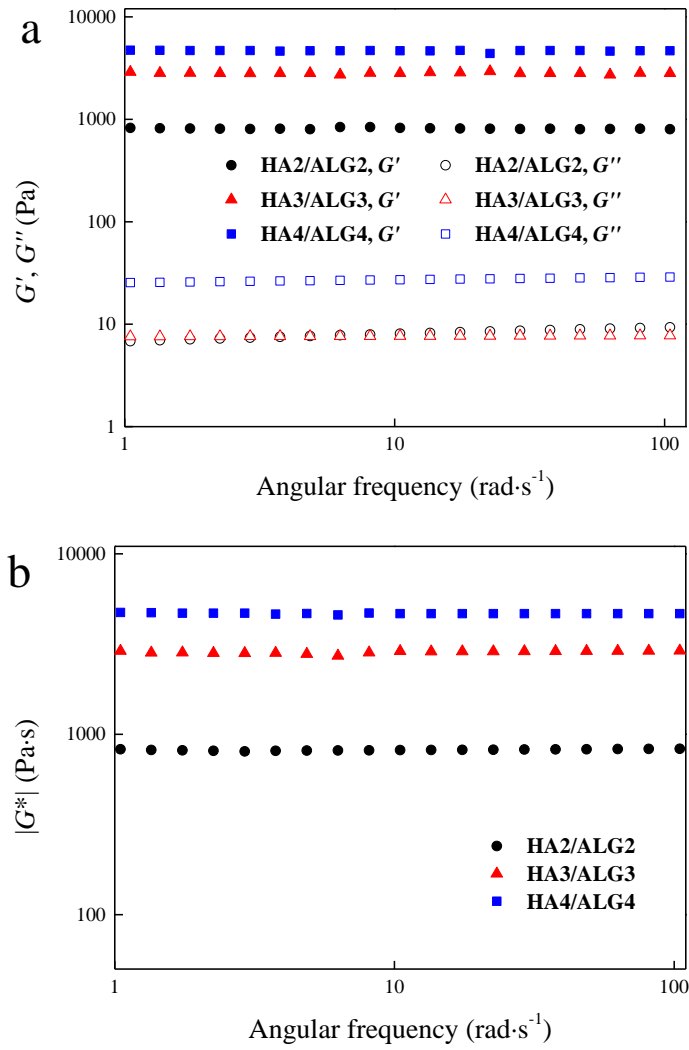


Figure S2. Standard curve of BSA.



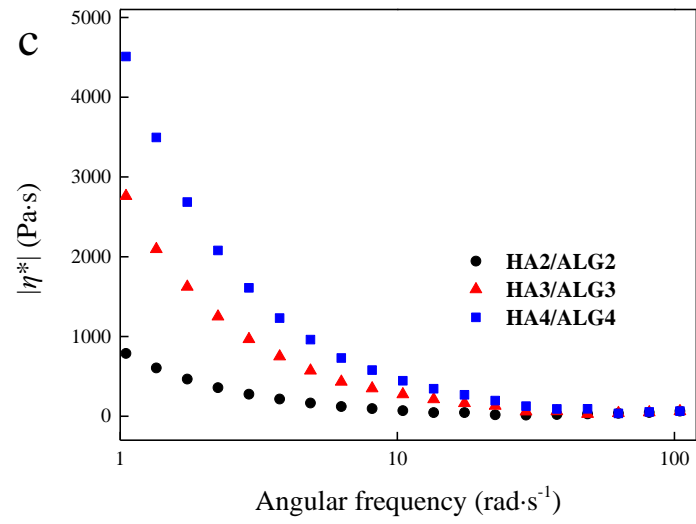


Figure S3. Plots of (a) storage modulus ( $G'$ ) and loss modulus ( $G''$ ), (b) complex shear modulus ( $|G^*|$ ), and (c) complex dynamic viscosity ( $|\eta^*|$ ) of HA/ALG hydrogels versus angular frequency ( $\omega$ ).