

Supplementary Information

Enhanced Mechanical Properties and Anti-Inflammation of Poly(L-Lactic Acid) by Stereocomplexes of PLLA/PDLA and Surface-Modified Magnesium Hydroxide Nanoparticles

Seung-Woon Baek ^{1,2,3,†}, Jun Hyuk Kim ^{1,†}, Duck Hyun Song ¹, Da-Seul Kim ^{1,4}, Chun Gwon Park ^{2,3,*} and Dong Keun Han ^{1,*}

¹ Department of Biomedical Science, CHA University, 335 Pangyo-ro, Bundang-gu, Seongnam-si 13488, Korea

² Department of Biomedical Engineering, SKKU Institute for Convergence, Sungkyunkwan University (SKKU), 2066 Seobu-ro, Jangan-gu, Suwon-si 16419, Korea

³ Department of Intelligent Precision Healthcare Convergence, SKKU Institute for Convergence, Sungkyunkwan University (SKKU), 2066 Seobu-ro, Jangan-gu, Suwon-si 16419, Korea

⁴ School of Integrative Engineering, Chung-Ang University, 84 Heukseok-ro, Dongjak-gu, Seoul 06974, Korea

* Correspondence: chunpark@skku.edu (C.G.P.); dkhan@cha.ac.kr (D.K.H.)

† These authors contributed equally to this work.

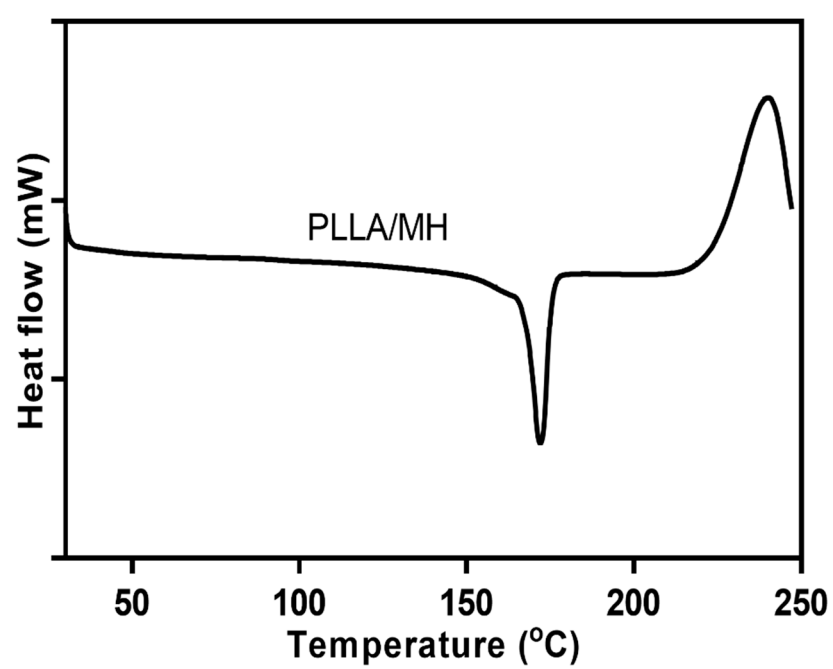


Figure S1. DSC thermogram of the PLLA/MH.

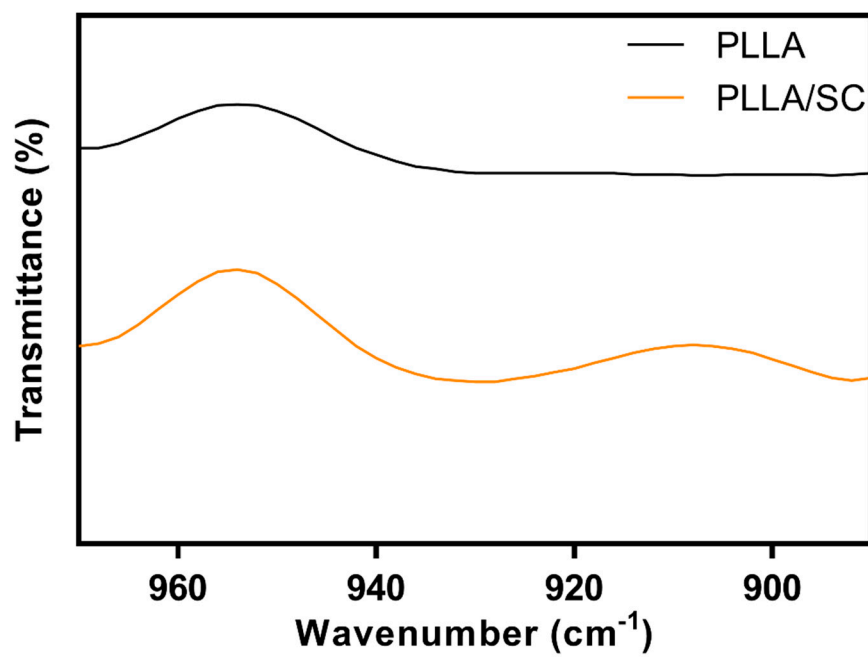


Figure S2. ATR-FTIR spectra of the PLLA and PLLA/SC.

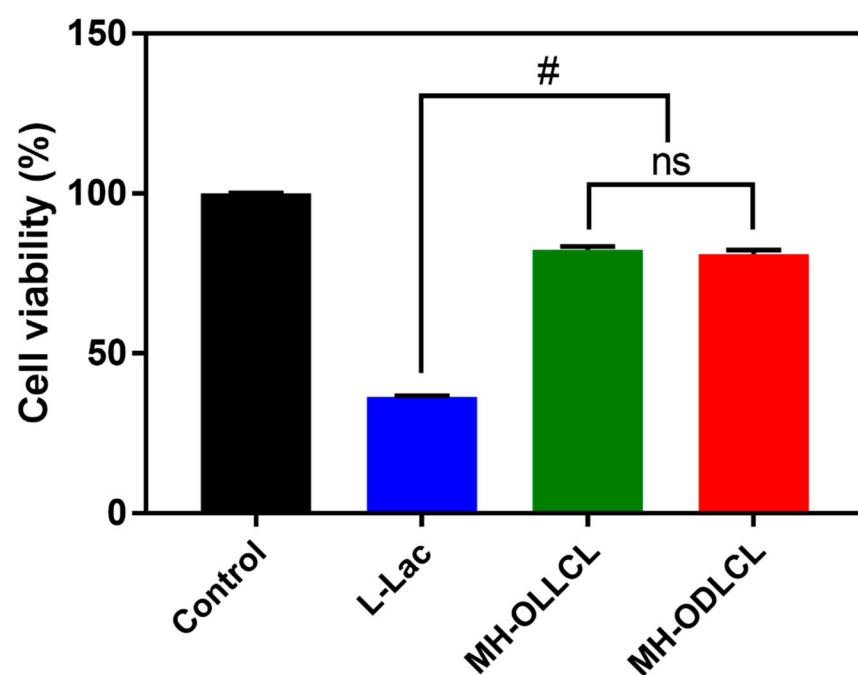


Figure S3. Cell viability of HCAEC in 12 mM L-Lac with surface-modified MH at a concentration of 10 phr for 24 h ($*p<0.05$, $**p<0.01$, $***p<0.001$, $\#p<0.0001$).