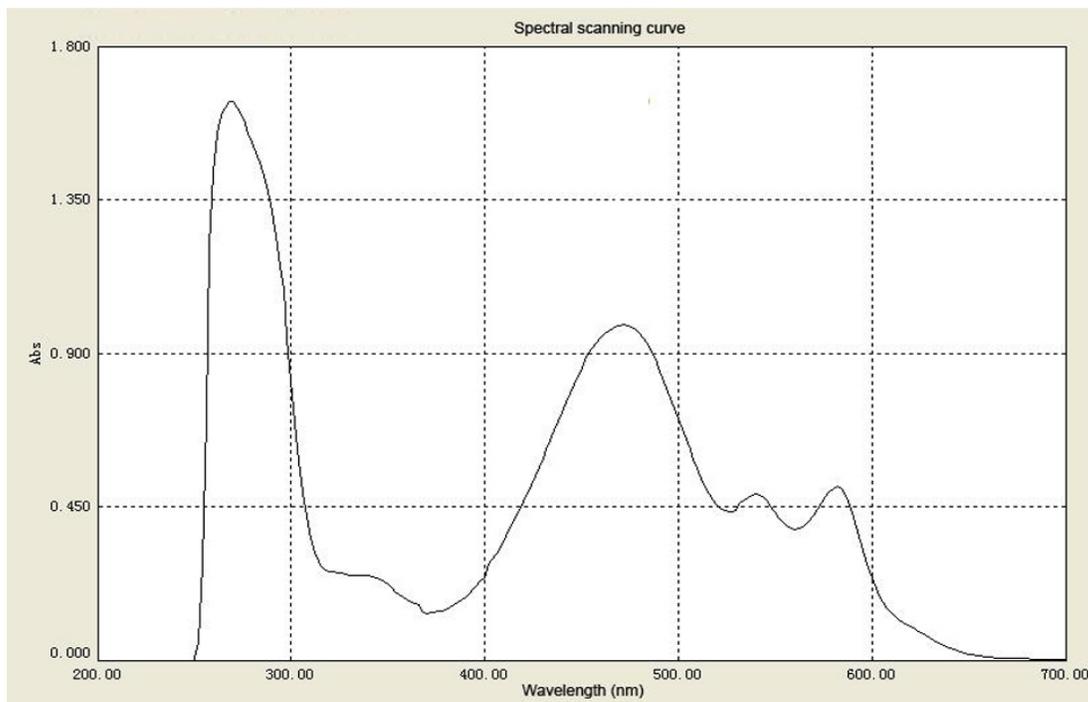


Effects of Photodynamic Therapy Using Yellow LED-light with Concomitant Hypocrellin B on Apoptotic Signaling in Keloid Fibroblasts

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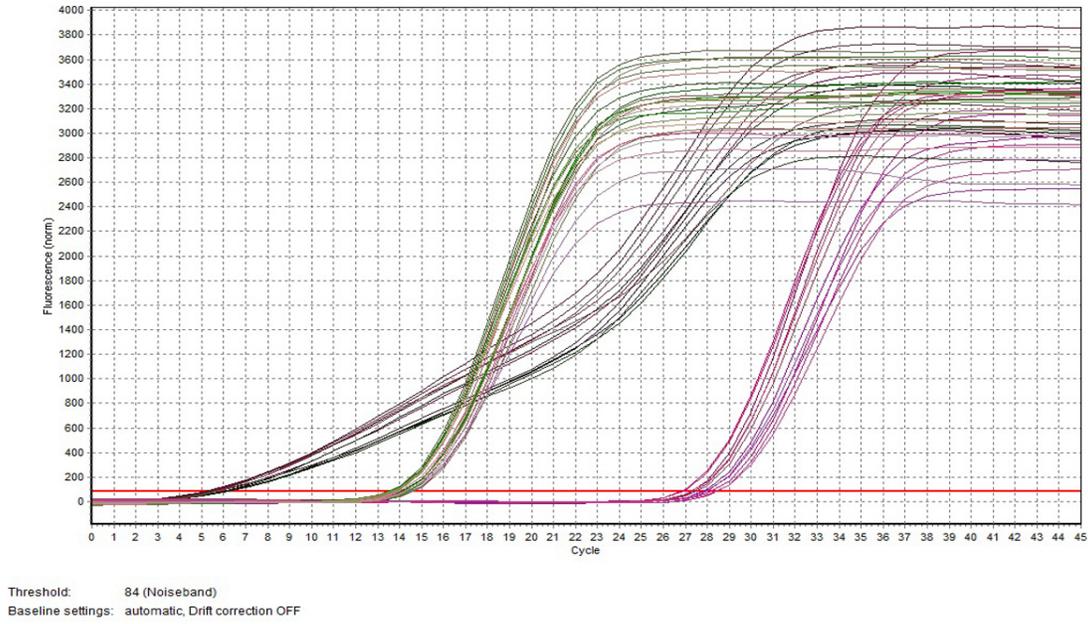
Supplementary Fig 1. Determination of the absorption spectra of HB.

By an ultraviolet-visible spectrophotometer, we have confirmed that HB used in the present study had higher absorption peak at 470nm and considerable absorption at 585nm wavelength.

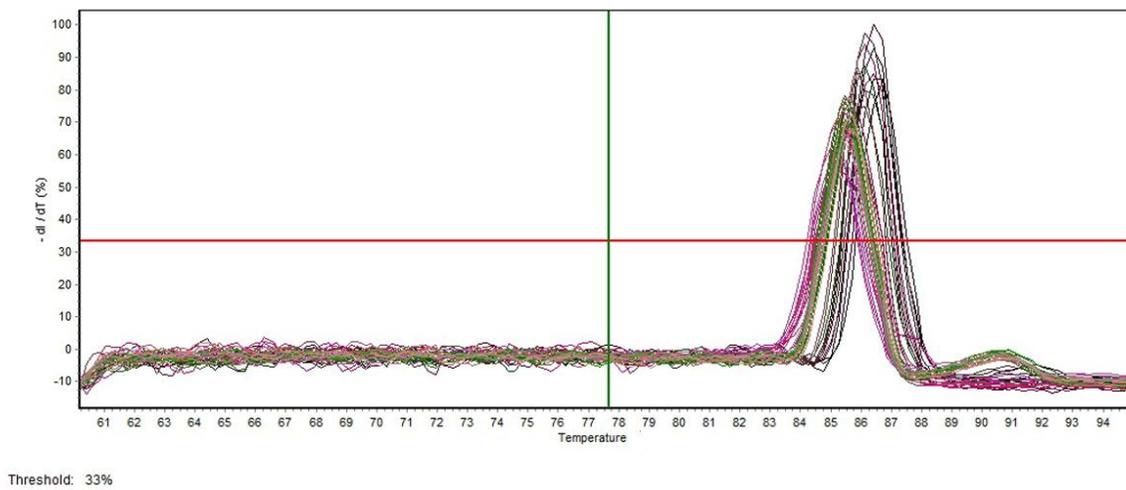


Supplementary Fig 2. Real-Time PCR of *BAX* and *BCL-2* mRNA.s

(a) The amplification curves in Real-Time PCR of *BAX* and *BCL-2* mRNA.



(b) A single peak of the melting curve showed no nonspecific amplification in Real-Time PCR of *BAX* and *BCL-2* mRNA.



Supplementary Fig 3. High dose of HB and light irradiation caused most cell necrosis.

Upon administration of PDT at $4\text{J}/\text{cm}^2$ with 1×10^{-5} mol/L HB, KFB cells died primarily by necrosis (upper left quadrant), and apoptotic cells were rarely observed (lower right and upper right quadrant).

