

**Table S2. The efficiency of FITC-collagen binding (F/C)**

F/C ratio was calculated from UV-Vis absorption spectra of FITC-Col I and FITC-Col I-OXI (according formula provided in paragraph 4.2 in Material and Methods section).

Collagen Samples	N of samples	Molar F/C	SD	P
FITC-Col I	12	9.365	2.229	> 0
FITC-Col I-OXI	12	8.473	2.898	

\*The data were obtained from three repeats of quadruplicated samples