ADVANCED HEALTHCARE MATERIALS

Supporting Information

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An Enzyme-Sensitive PEG Hydrogel Based on Aggrecan Catabolism for Cartilage Tissue Engineering

*Stacey C. Skaalure, Stanley Chu, and Stephanie J. Bryant**

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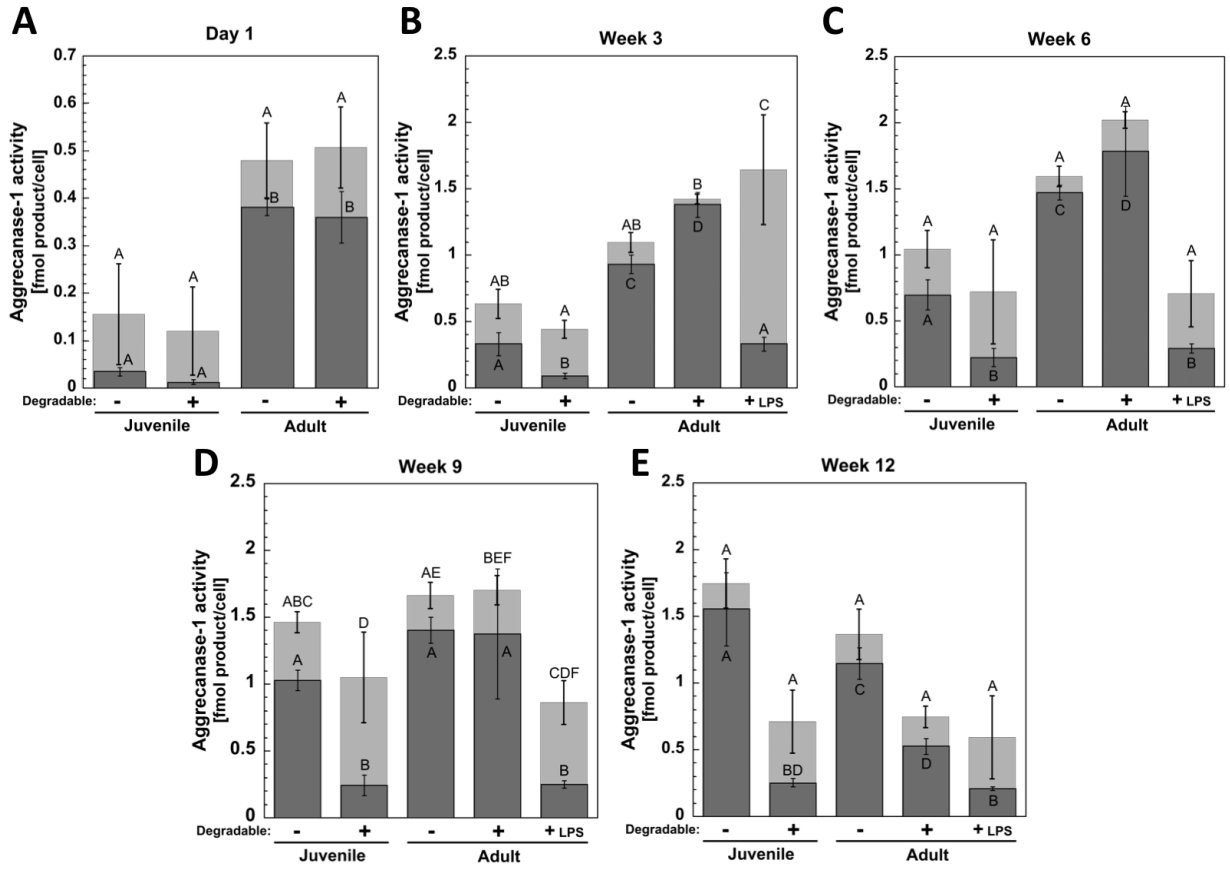

Figure S1. Aggrecanase-1 activity per cell, shown as the activity measured in both the constructs (■) and culture medium (■) at (A) 1 day, and (B) 3, (C) 6, (D) 9, and (E) 12 weeks, where conditioned culture medium was pooled in 3 week increments. Note that the y-axis is different for day 1. Letter groupings show statistical similarities (same letter) and differences (different letters) ($p < 0.05$). Top letters are for activity in the medium and lower letters are for activity in constructs. Error bars are standard deviation ($n = 3$).

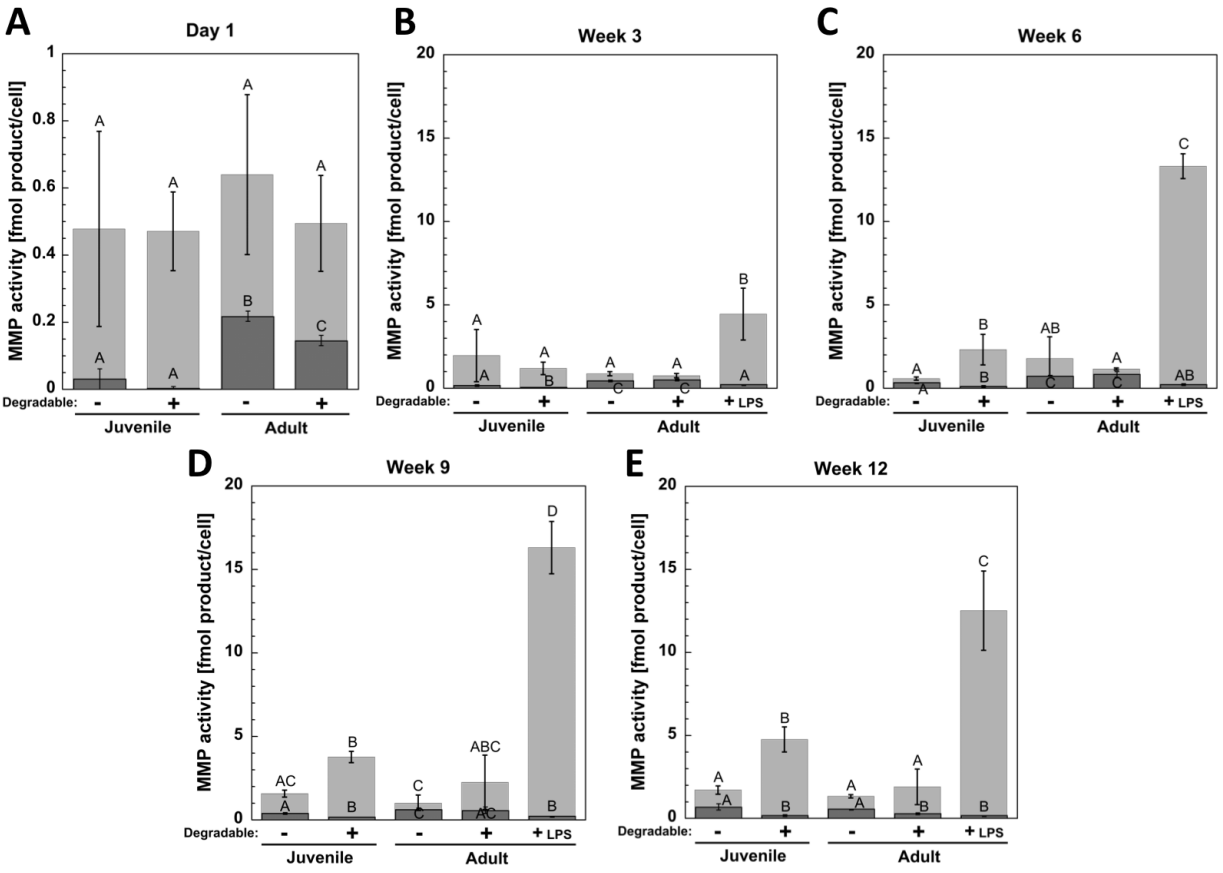

Figure S2. MMP activity per cell, shown as the activity measured in both the constructs (■) and culture medium (■) at (A) 1 day, and (B) 3, (C) 6, (D) 9, and (E) 12 weeks, where conditioned culture medium was pooled in 3 week increments. Note that the y-axis is different for day 1. Letter groupings show statistical similarities (same letter) and differences (different letters) ($p < 0.05$). Top letters are for activity in the medium and lower letters are for activity in constructs. Error bars are standard deviation ($n = 3$).

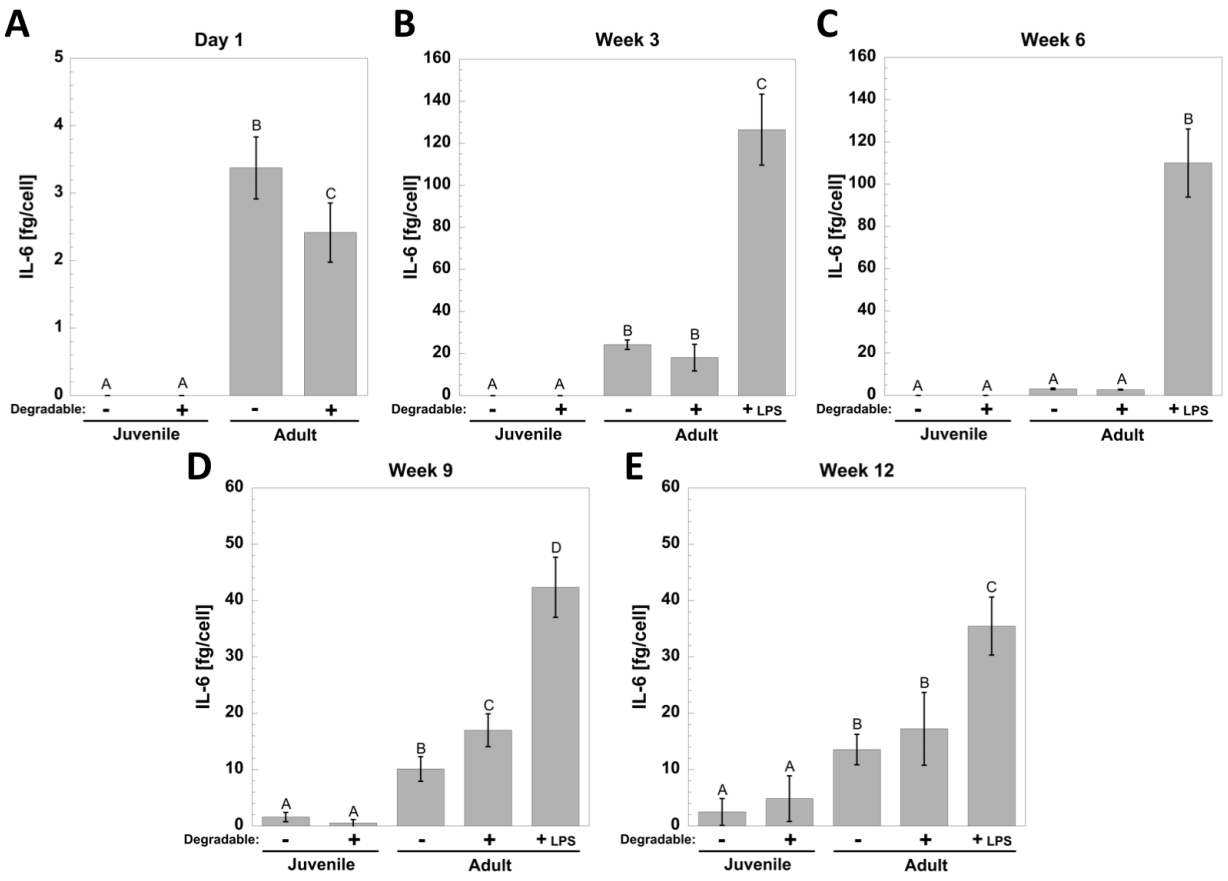

Figure S3. IL-6 produced per cell and released to the culture medium at (A) 1 day, and (B) 3, (C) 6, (D) 9, and (E) 12 weeks, where conditioned culture medium was pooled in 3 week increments. Note that the y-axis is different for different time points. Letter groupings show statistical similarities (same letter) and differences (different letters) ($p < 0.05$). Error bars are standard deviation ($n = 3$).