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Supporting Information

Reversible Bonding of Thermoplastic Elastomers for Cell Patterning Applications

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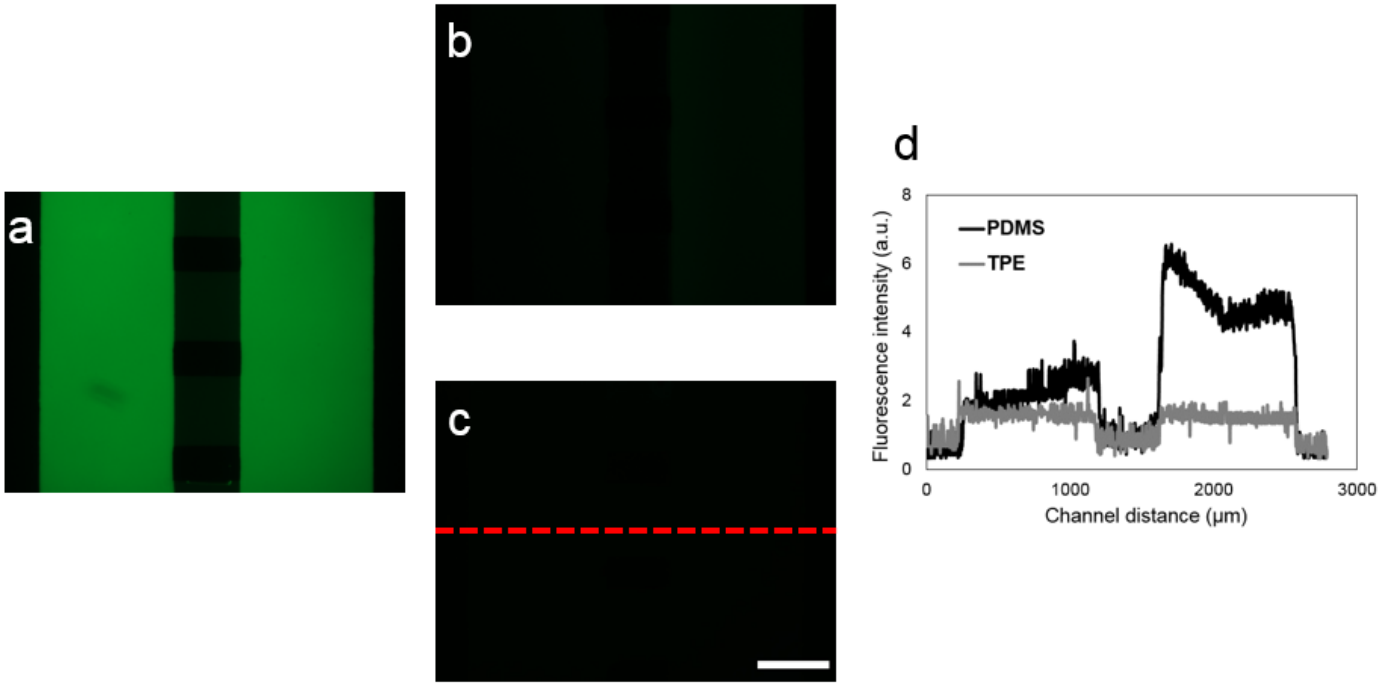

Figure S1. Comparison experiments of protein absorption on the PDMS and TPE channel surfaces. Two identical devices of PDMS and TPE channels were prepared and bonded on the glass slide substrates. The device has two parallel channels as shown (a). We introduced fluorescently-labelled bovine serum albumin (BSA) into the channels with a 1 mg/mL BSA-FITC concentration (a). The devices were then placed in the CO_2 incubator at 37 ºC for 30 min. After washing with PBS, we captured fluoresce images (b) with PDMS channels and (c) TPE channels. The dashed line represents a plot line of the fluorescent intensity. The scale bar shows 500 μm. (d) The plot graph shows a significant difference of the fluorescent intensities of PDMS and TPE channels. Thus, we confirmed that TPE has less protein adsorption issues than PDMS.