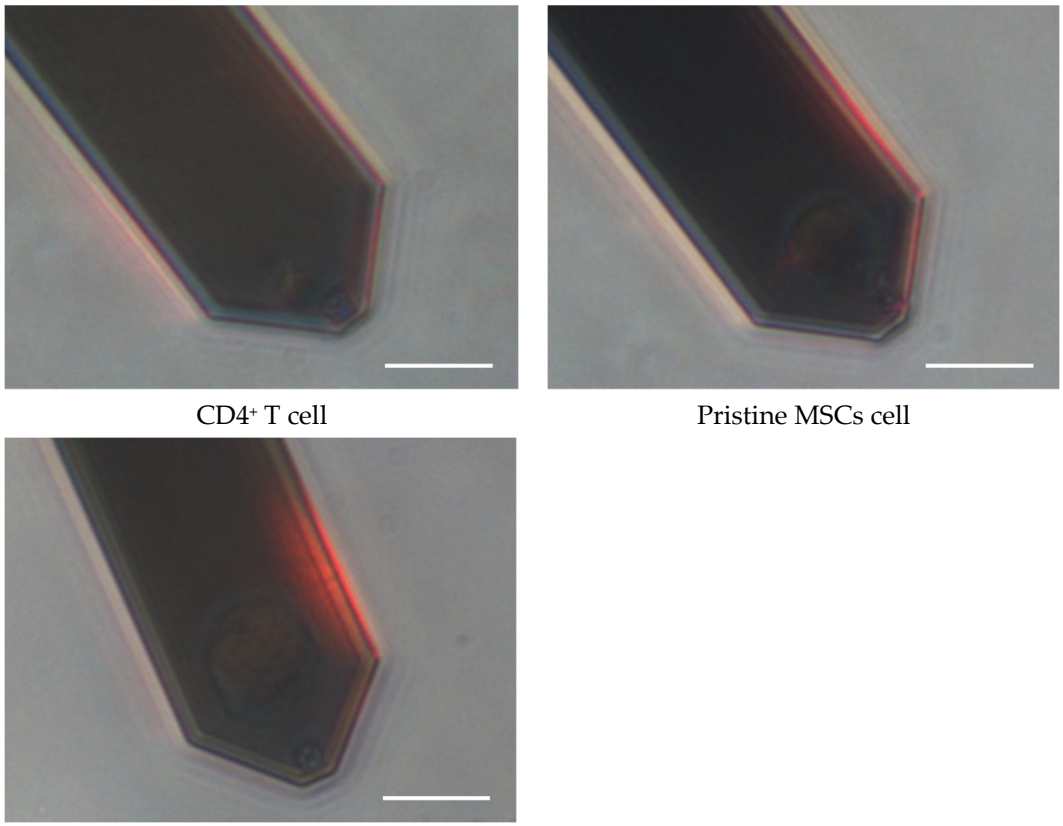


Supplementary Figure S1. Optical microscopy images for each cell type bound to the cantilever. Top-left: $CD4^+$ T cell attached to anti-CD4 decorated cantilever using thiol crosslinking chemistry. Top-right: pristine MSCs cell attached to concanavalin A decorated cantilever using biotin-NHS/streptavidin. Bottom: Azide-modified MSCs cell attached to a DBCO decorated cantilever via bioorthogonal chemistry. Scale bar: 20 μm.