

Supplemental Data

The Strength of T Cell Receptor Signal Controls the Polarization of Cytotoxic Machinery to the Immunological Synapse

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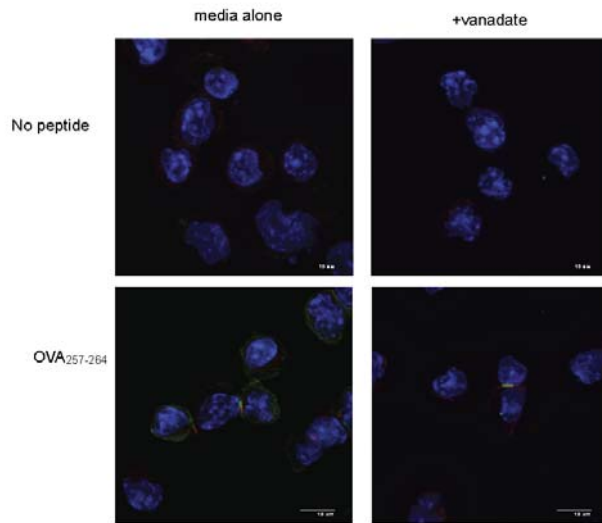


Figure S1. Orthovanadate Treatment Does Not Affect pY416 Staining in OT-1 Cells in the Absence of Peptide

Target EL4 cells were left untreated (no peptide) or pulsed with 1 μ M of OVA₂₅₇₋₂₆₄ peptide and conjugated to *in vitro* activated OT-I cells with or without 100 μ M sodium orthovanadate. Cells were labeled with anti-Lck (488, green), pY416 (546, red) and nuclei stained with Hoechst (blue). Confocal images of a field of conjugates shown as a projection through the xy plane. Scale bars, 10 μ M.

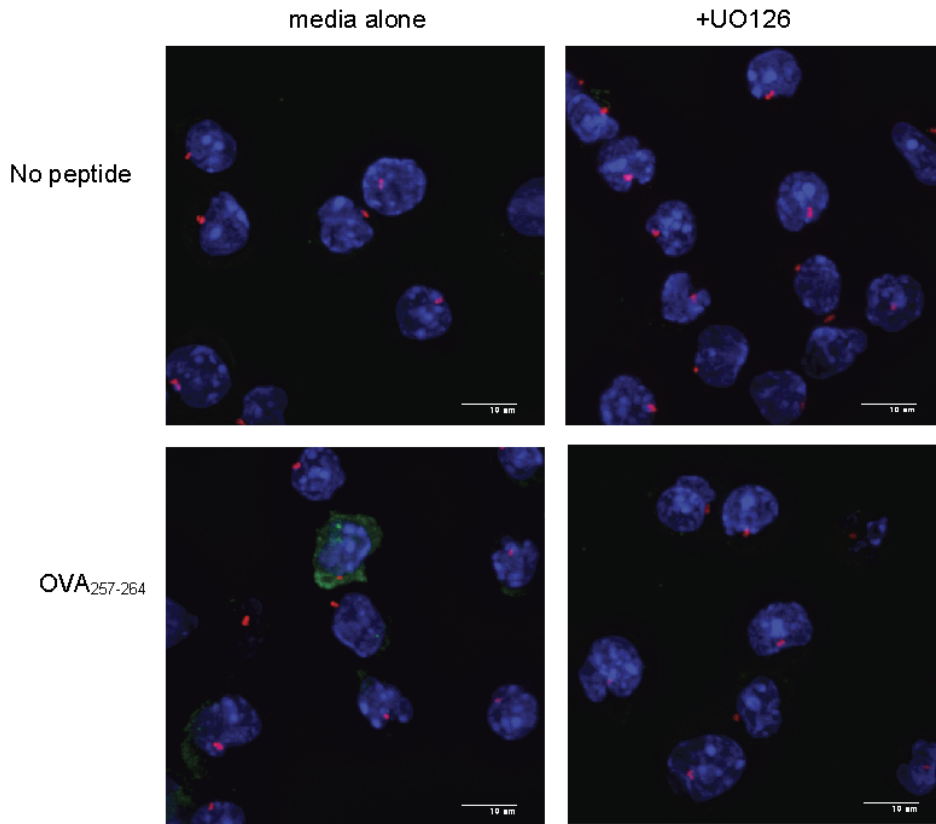


Figure S2. Preincubation of OT-1 Cells with the MEK Inhibitor, UO126, Abolishes Staining with Anti-pERK

Target EL4 cells were left untreated (no peptide) or pulsed with 1 μ M of OVA₂₅₇₋₂₆₄ peptide and conjugated to *in vitro* activated OT-I cells with or without 10 μ M of the MEK inhibitor, UO126. Cells were labeled with anti-pERK (488, green), γ -tubulin (546, red) and nuclei stained with Hoechst (blue). Confocal images of a field of conjugates shown as a projection through the xy plane. Scale bars, 10 μ M.