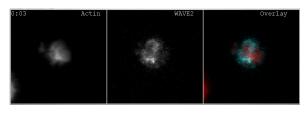
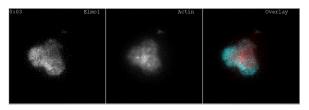
SUPPLEMENTAL MATERIAL

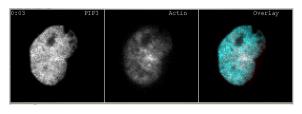
Le Floc'h et al., http://www.jem.org/cgi/content/full/jem.20131324/DC1



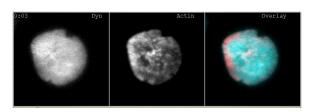
Video 1. F-actin and WAVE2 localization at the IS. OT-1 CTLs expressing RFP-labeled Lifeact together with GFP-labeled WAVE2 were analyzed by TIRF microscopy ($60\times$ magnification) on lipid bilayers containing pMHC and ICAM-1. A 15× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner. Bars, 5 μ m. The video is representative of at least 160 cells imaged over four independent experiments.



Video 2. F-actin and Elmo1 localization at the IS. OT-1 CTLs expressing RFP-labeled Lifeact together with GFP-labeled Elmo1 were analyzed by TIRF microscopy ($60\times$ magnification) on lipid bilayers containing pMHC and ICAM-1. A 15× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner. Bars, 5 μ m. The video is representative of at least 120 cells imaged over six independent experiments.



Video 3. F-actin and PIP₃ **localization at the IS.** OT-1 CTLs expressing RFP-labeled Lifeact together with GFP-labeled Grp1PH were analyzed by TIRF microscopy ($60\times$ magnification) on lipid bilayers containing pMHC and ICAM-1. A 15× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner. Bars, 5 µm. The video is representative of at least 80 cells imaged over four independent experiments.



Video 4. F-actin and Dyn1 PH domain localization at the IS. OT-1 CTLs expressing RFP-labeled Lifeact together with GFP-labeled Dyn1PH were analyzed by TIRF microscopy ($60\times$ magnification) on lipid bilayers containing pMHC and ICAM-1. A 15× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner. Bars, 5 μ m. The video is representative of at least 80 cells imaged over four independent experiments.

JEM S1



Video 5. Localization of the p85α subunit of Pl3K at the IS. OT-1 CTLs expressing GFP-labeled p85α were analyzed by TIRF microscopy (150× magnification) on lipid bilayers containing pMHC and ICAM-1. A 30× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner. Bar, 5 μ m. The video is representative of 25 cells imaged over two independent experiments.



Video 6. Localization of the p85β subunit of PI3K at the IS. OT-1 CTLs expressing GFP-labeled p85β were analyzed by TIRF microscopy (150× magnification) on lipid bilayers containing pMHC and ICAM-1. A 30× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner. Bar, 5 μ m. The video is representative of 40 cells imaged over two independent experiments.



Video 7. Annular PIP $_3$ patterning coincides with the formation of a central cluster of TCR. OT-1 CTLs expressing RFP-labeled CD3 ζ together with GFP-labeled Grp1PH were analyzed by TIRF microscopy (150× magnification) on lipid bilayers containing pMHC and ICAM-1. A 15× time-lapse video is shown, with time displayed (minutes:seconds) in the top left corner of each image. Bars, 5 μ m. The video is representative of 17 cells imaged over two independent experiments.