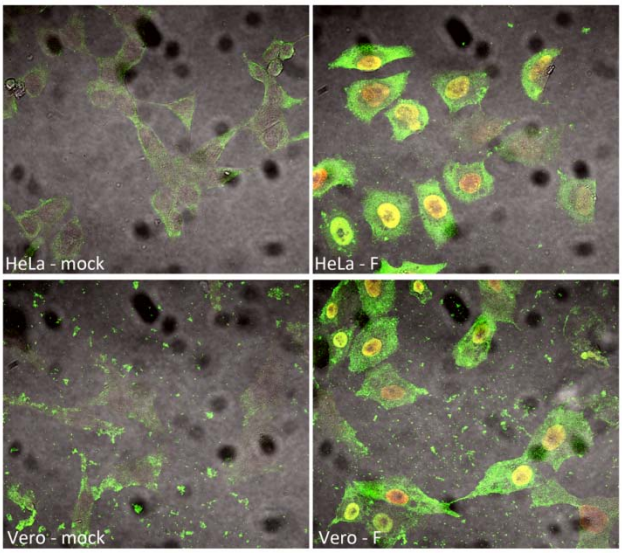

Figure S1

Immunoreactivity of Myosin Va is increased during HSV-1 Infection in Multiple Cell types. HeLa and Vero cells were mock infected or infected with 5 PFU HSV-1(F) per cell and fixed at 6 hpi. Cells were washed with PBS and fixed in 3% PFA for 15 minutes and permeabilized with 0.1% Triton-X 100. The fixed permeabilized cells were immunostained with goat anti-myoVa and rabbit anti-ICP8 antibodies. Single sections of immunostained cells were digitally collected with an Olympus confocal microscope. Green: anti-myosin Va; red: anti-ICP8.

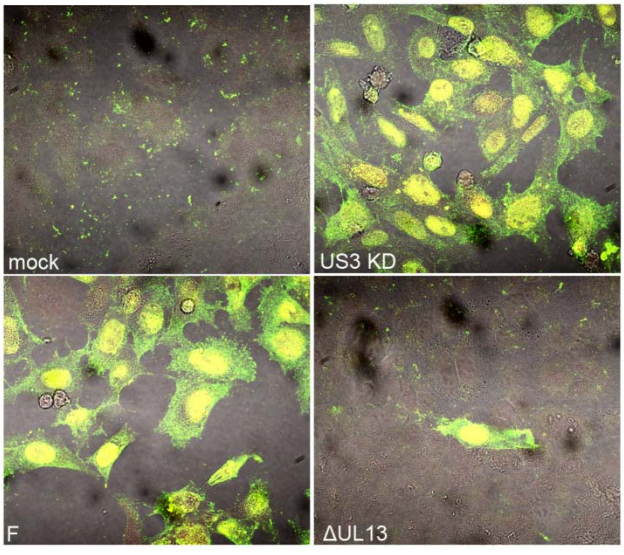

Figure S2

Viral kinases pU_S3 and pU_L13 are not required for Increased Immunoreactivity of Myosin Va during HSV-1 Infection. HEp-2 cells were mock infected or infected with HSV-1(F), U_S3 kinase dead or ΔU_L13 and fixed at 18 hpi. Cells were immunostained and photographed as described in S1. Green: anti-myosin Va; red: anti-ICP8.

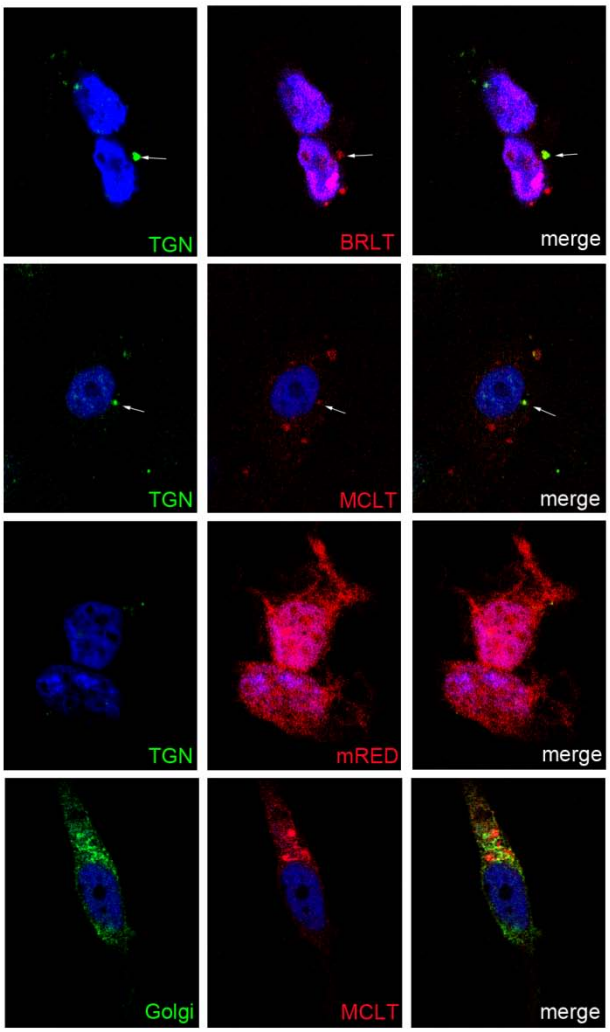

Figure S3

DN-MyoVa Co-localizes with TGN but not Golgi Markers in virus Infected HEp-2 Cells. HEp-2 cells were transfected with mRED-DN-myoVa BRLT (upper row), MCLT (second row from top and bottom row), or an mRED control construct (third row from top), and at 28.5 hours post transfection were infected with HSV-1(F) at an MOI of 5. At 15.5 hpi cells were washed with PBS, fixed in 3% PFA for 15 minutes, and

permeabilized with 0.1% Triton-X 100. Fixed cells were immunostained with mouse anti-TGN (top 3 rows) or mouse anti-Golgi markers (bottom row). Rabbit anti-ICP8 was used to mark the infected cell nuclei. Red: DN-myoVa or mRED control; green: TGN and Golgi; blue: ICP8. Arrows indicate sites of co-localization of the respective markers.

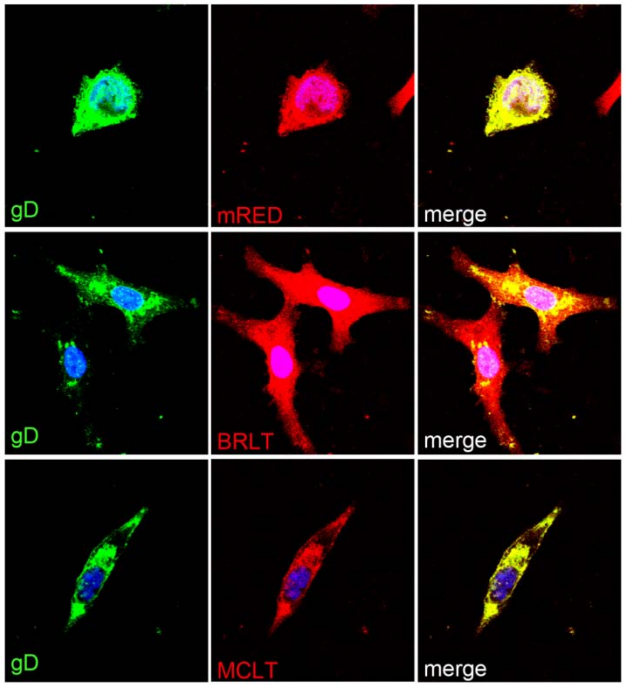

Figure S4

mRED-DN-myoVa expression does not preclude gD expression. HEp-2 cells were transfected with either mRED-DN-myoVa-BRLT, mRED-DN-myoVa-MCLT or mRED control vector. At 30 hours post transfection, the cells were infected with 5.0 PFU per cell of HSV-1(F). At 15.5 hpi the cells were fixed in 3% PFA, autofluorescence was quenched by immersion in 50 mM NH_4Cl for 15 minutes and the cells were permeabilized with 0.1% Triton-X 100 for 2 minutes followed by a 10 minute block in 10% human serum in PBS. Cells were immunostained with a gD monoclonal antibody and ICP8 antibody. Green: gD, blue: ICP8, red: DN-myoVa or mRED control.