***Table S1**: Oligonucleotides and sequences*

All used primers were purchased from Biomers GmbH (Ulm, Germany) if not indicated otherwise.

Oligonucleotides for cloning
SPOC1 WT (aa 1-300)
3'CATAGAATTCTCAGTCCAGGAACAGCTTCC
5'CATAGGATCCGACTCTGACTCTTGCGC
SPOC1 aa 1-231
3'CATAGAATTCTCAGTCCCAGGAATCGTCATCT
SPOC1 aa 1-150
3'CATAGAATTCTCACTCCACGTAGGGGTCAG
Oligonucleotides for qRT-PCR (TaqMan)
CMV/IE1
3'GAGCAGACTCTCAGAGGATCGG
5'AAGCGGCCTCTGATAACCAAG
MIE FAM/TAMRA CATGCAGATCTCCTCAATGCGGCG
Albumin
3'GCATGGAAGGTGAATGTTTCAG
5'GTGAACAGGCGACCATGCT
Alb FAM/TAMRA TCAGCTCTGGAAGTCGATGAAACATACGTTC
Oligonucleotides for qRT-PCR (SYBR)
IE1, see Oligonucleotides for qRT-PCR (TaqMan), *CMV/IE1*
GAPDH Real Time PCR Primer Set (VHPS-3541, Biomol GmbH)
UL122 (IE2) [24]
3'TGACCGAGGATTGCAACGA
5'CGGCATGATTGACAGCCTG
US3 [25]
3'TGTTTCTCGGTGAAGTTGCC
5'CTGGATGTGGTGGTATCGGA
UL44 [25]
3'ACGCGTAATTCACCACGGGCA
5'TGTGGTCATTGTGCCCGCCC
UL82 (pp71) [26]
3'ACGACACCGTAGACCTGACC
5'AAAGAGGTGCAGTCCGCTAA
UL86 (MCP) [25]
3'ACCTCGAAGGTGTCGGTGCGT
5'CCAAGGCGCACATCCACCCG
UL99 (pp28) [27]
3'CTTTGCTGATGGTGGTGATG
5' GAGGACAAGGCTCCGAAAC

Figure S1

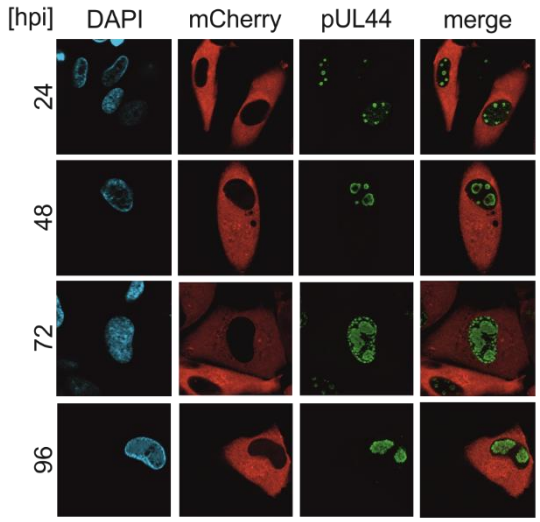

Figure S1: HFF/mCherry cells during HCMV infection. Cells were infected with AD169, MOI 1 and fixed at indicated time points. An antibody against pUL44 was utilized in combination with secondary antibody Alexa 488. DAPI was used to visualize the cell nuclei.

Figure S2

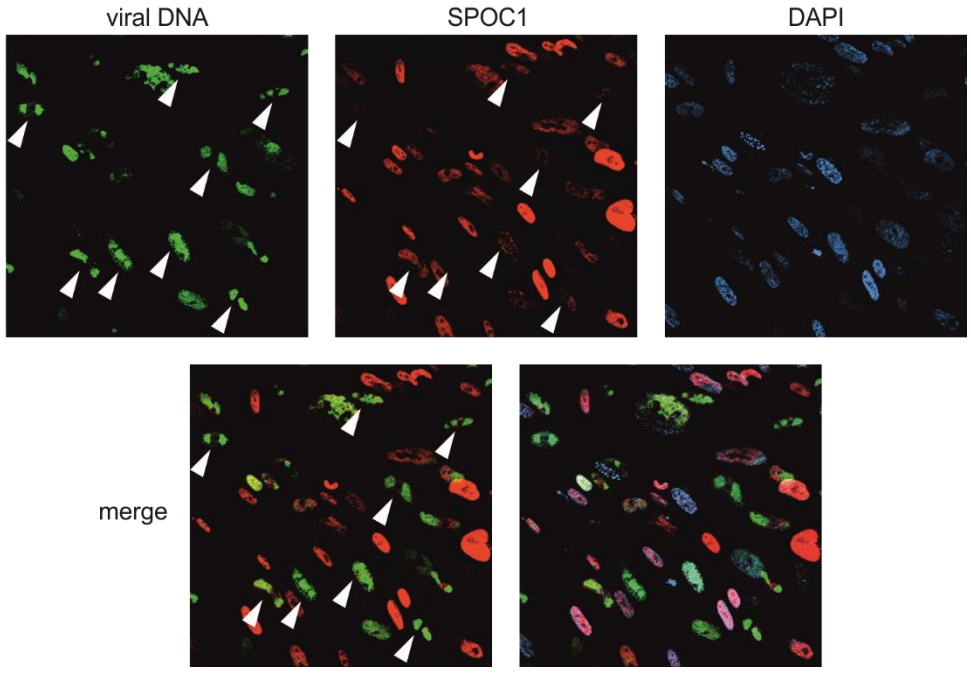

Figure S2: Overview picture of HFF/SPOC1 infected with AD169, MOI 1. 72 hpi EdC was added to the cells prior to fixation at 96 hpi. Viral DNA was visualized by click chemistry. Additionally, the samples were treated with an antibody against SPOC1 in combination with Alexa-555. DAPI staining was used for visualization of cell nuclei. Arrows indicate cells with large and intense viral replication centers.