

Movie legends

Movie S1. Rac1 activation during fMLP stimulation of macrophages. Time lapse of FRET/mCer ratio and corresponding DIC image. Duration of original sequence: 15 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 5 μm . * = start of fMLP stimulation.

Movie S2. Rac2 activation during fMLP stimulation of macrophages. Time lapse of FRET/mCer ratio and corresponding DIC image. Duration of original sequence: 15 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 5 μm . * = start of fMLP stimulation.

Movie S3. Rac1 activation during serum-induced random protrusions in macrophages. Time lapse of FRET/mCer ratio and corresponding DIC image. Duration of original sequence: 10 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 10 μm .

Movie S4. Rac2 activation during serum-induced random protrusions in macrophages. Time lapse of FRET/mCer ratio and corresponding DIC image. Duration of original sequence: 10 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 10 μm .

Movie S5. Cdc42 activation during serum-induced random protrusions in macrophages. Time lapse of FRET/mCer ratio and corresponding DIC image. Duration of original sequence: 10 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 10 μm .

Movie S6. Serum-induced random protrusions in Rac2-reduced macrophages. Time lapse of DIC images of control (shCtrl2, left) and shRac2 (right). Duration of original sequence: 10 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 10 μm .

Movie S7. Serum-induced random protrusions in Rac1-reduced macrophages. Time lapse of DIC images of control (shCtrl1, left) and shRac1 (right). Duration of original sequence: 10 min. Magnification 60X, 2X2 binning. Frame interval: 10 s. Replay: 5 frames/s. Scale bar = 10 μm .