

MOVIE S1

Related to Figure 2. Representative movie of ACKR3-AcGFP on live JK cells captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S2

Related to Figure 2. Representative movie of ACKR3-AcGFP on live JK cells captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.

MOVIE S3

Related to Figure 2. Representative movie of ACKR3-AcGFP on live Jkx4^{-/-} cells captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S4

Related to Figure 2. Representative movie of ACKR3-AcGFP on live Jkx4^{-/-} cells captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.

MOVIE S5

Related to Figure 3. Representative movie of ACKR3ΔCt-AcGFP on live Jka3^{-/-} cells captured by SPT-TIRF, showing the diffusion of ACKR3ΔCt particles (monomers, dimers, and nanoclusters) at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S6

Related to Figure 3. Representative movie of ACKR3ΔCt-AcGFP on live Jka3^{-/-} cells captured by SPT-TIRF, showing the diffusion of ACKR3ΔCt particles (monomers, dimers, and nanoclusters) after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.

MOVIE S7

Related to Figure 4. Representative movie of ACKR3-AcGFP on live JK cells, pretreated with Pertussis Toxin (PTx), and captured by SPT-TIRF, showing the diffusion of ACKR3 particles

(monomers, dimers, and nanoclusters) at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S8

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MOVIE S9

Related to Figure 4. Representative movie of CXCR4-AcGFP on live JKX4^{-/-} cells captured by SPT-TIRF, showing the diffusion of CXCR4 particles (monomers, dimers, and nanoclusters) at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S10

Related to Figure 4. Representative movie of CXCR4-AcGFP on live JKX4^{-/-} cells captured by SPT-TIRF, showing the diffusion of CXCR4 particles (monomers, dimers, and nanoclusters) after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.

MOVIE S11

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MOVIE S12

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MOVIE S13

Related to Figure 5. Representative movie of ACKR3-AcGFP on live JK cells, pretreated with VUF15485, and captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S14

Related to Figure 5. Representative movie of ACKR3-AcGFP on live JK cells, pretreated with VUF16840, and captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S15

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MOVIE S16

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MOVIE S17

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MOVIE S18

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MOVIE S19

Related to Figure 7. Representative movie of ACKR3-AcGFP on live JKX4^{-/-}β1^{-/-}β2^{-/-} cells captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S20

Related to Figure 7. Representative movie of ACKR3-AcGFP on live JKX4- $\beta 1^{-/-}\beta 2^{-/-}$ cells captured by SPT-TIRF, showing the diffusion of ACKR3 particles (monomers, dimers, and nanoclusters) after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.

MOVIE S21

Related to Figure 9. Representative movie of CXCR4-AcGFP and ACKR3-SNAPtag, labeled with SNAP-Cell TMR-Star, on live JKX4-AcGFP-KI cells captured by SPT-TIRF, showing the diffusion of CXCR4 and ACKR3 particles (monomers, dimers, and nanoclusters), at steady state (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S22

Related to Figure 9. Representative movie of CXCR4-AcGFP and ACKR3-SNAPtag, labeled with SNAP-Cell TMR-Star, on live JKX4-AcGFP-KI cells captured by SPT-TIRF, showing the diffusion of CXCR4 and ACKR3 particles (monomers, dimers, and nanoclusters), after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.

MOVIE S23

Related to Figure 9. Representative movie of CXCR4-AcGFP and ACKR3-SNAPtag, labeled with SNAP-Cell TMR-Star, on live JKX4-AcGFP-KI cells, pretreated with VUF15485, and captured by SPT-TIRF, showing the diffusion of CXCR4 and ACKR3 particles (monomers, dimers, and nanoclusters) (FN). The video was acquired and displayed at 10 frames/s.

MOVIE S24

Related to Figure 9. Representative movie of CXCR4-AcGFP and ACKR3-SNAPtag, labeled with SNAP-Cell TMR-Star, on live JKX4-AcGFP-KI cells, pretreated with VUF16840, and captured by SPT-TIRF, showing the diffusion of CXCR4 and ACKR3 particles (monomers, dimers, and nanoclusters) after CXCL12 stimulation (FN+CXCL12). The video was acquired and displayed at 10 frames/s.