

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Host iNKT cell motility at MC38-mCherry tumor periphery and inside tumor.** Two-photon intravital imaging of MC38-mCherry tumor in *Vα14 Tg Cxcr6^{Gfp}* mouse. MC38 tumor cells expressed mCherry and host iNKT cells expressed GFP. Elapsed time is shown as h:mm:ss.000.

File Name: Supplementary Movie 2

Description: **Transferred iNKT cell motility at MC38-mCherry tumor periphery and inside tumor of 10 days old.** Two-photon intravital imaging of 10 days MC38-mCherry tumor in WT mouse. MC38 tumor cells expressed mCherry and transferred iNKT cells expressed GFP. Elapsed time is shown as h:mm:ss.000.

File Name: Supplementary Movie 3

Description: **Transferred iNKT cell motility at MC38-mCherry tumor periphery and inside tumor of 5 weeks old.** Two-photon intravital imaging of ~5 weeks MC38-mCherry tumor in WT mouse. MC38 tumor cells expressed mCherry and transferred iNKT cells expressed GFP. Elapsed time is shown as h:mm:ss.000.

File Name: Supplementary Movie 4

Description: **Transferred iNKT cell motility at B16F10-mCherry tumor periphery and inside tumor of 10 days old.** Two-photon intravital imaging of 10 days B16F10-mCherry tumor in WT mouse. B16F10 tumor cells expressed mCherry and transferred iNKT cells expressed GFP. Elapsed time is shown as h:mm:ss.000.

File Name: Supplementary Movie 5

Description: **Transferred iNKT cell motility in tumors in *Lyz2^{cre} Cd1d1^{fl/fl}* mouse and *Cd1d1^{fl/fl}* mouse.** Two-photon intravital imaging of transferred iNKT cells in tumors in *Lyz2^{cre} Cd1d1^{fl/fl}* mouse and *Cd1d1^{fl/fl}* mouse. MC38 tumor cells expressed mCherry and transferred iNKT cells expressed GFP. Elapsed time is shown as h:mm:ss.000.

File Name: Supplementary Movie 6

Description: **Transferred iNKT cell motility in *Vcam1* knockdown MC38-mCherry tumor and NTC MC38-mCherry tumor.** Two-photon intravital imaging of transferred iNKT cells in *Vcam1* knockdown MC38-mCherry tumor and in NTC MC38-mCherry tumor. MC38 tumor cells expressed mCherry and transferred iNKT cells expressed GFP. Elapsed time is shown as h:mm:ss.000.