

Supplementary data

Cancer immunotherapy with lipid nanoparticles loaded with a STING agonist against renal tumor lung metastasis.

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Table S1. Sequences of the primer pairs used for the RT-qPCR

Gene	Forward primer	Reverse primer
<i>Cd3</i>	ATGCGGTGGAACACTTTCTGG	GCACGTCAACTCTACACTGGT
<i>Cd4</i>	CTTCGCAGTTTGATCGTTTTGAT	CCGGACTGAAGGTCACCTTTGA
<i>Cd8</i>	AAGAAAATGGACGCCGAACCTT	AAGCCATATAGACAACGAAGGTG
<i>Foxp3</i>	TGCAGGGCAGCTAGGTACTTG	TCGGAGATCCCCTTTGTCTTATC
<i>Ctla4</i>	CATGGTGTGCGCCAGCTTTC	GGTAATCTAGGAAGCCCACTGTA
<i>Lag3</i>	GGCCTCGATGATTGCTAGTCC	CGGTGAGTTGTAGACAGGCA
<i>Nkg2d</i>	GCACTAACTACCAGTCAACCTG	CTCGAACAACGAACATTGGAGA
<i>Ifng</i>	ATGAACGCTACACACTGCATC	CCATCCTTTTGCCAGTTCCTC
<i>Cd11c</i>	CTGGATAGCCTTTCTTCTGCTG	GCACACTGTGTCCGAACCTCA
<i>Xcr1</i>	CAGAGTCAGATGCTCTCAGTATCC	GGACAATGGTAGAGATGGTGGA
<i>Ccl5</i>	TGCTCCAATCTTGCAGTCGT	GGCTAGGACTAGAGCAAGCAA
<i>Gusb</i>	GTGGTATGAACGGGAAGCAAT	AACTGCATAATAATGGGCACTGT

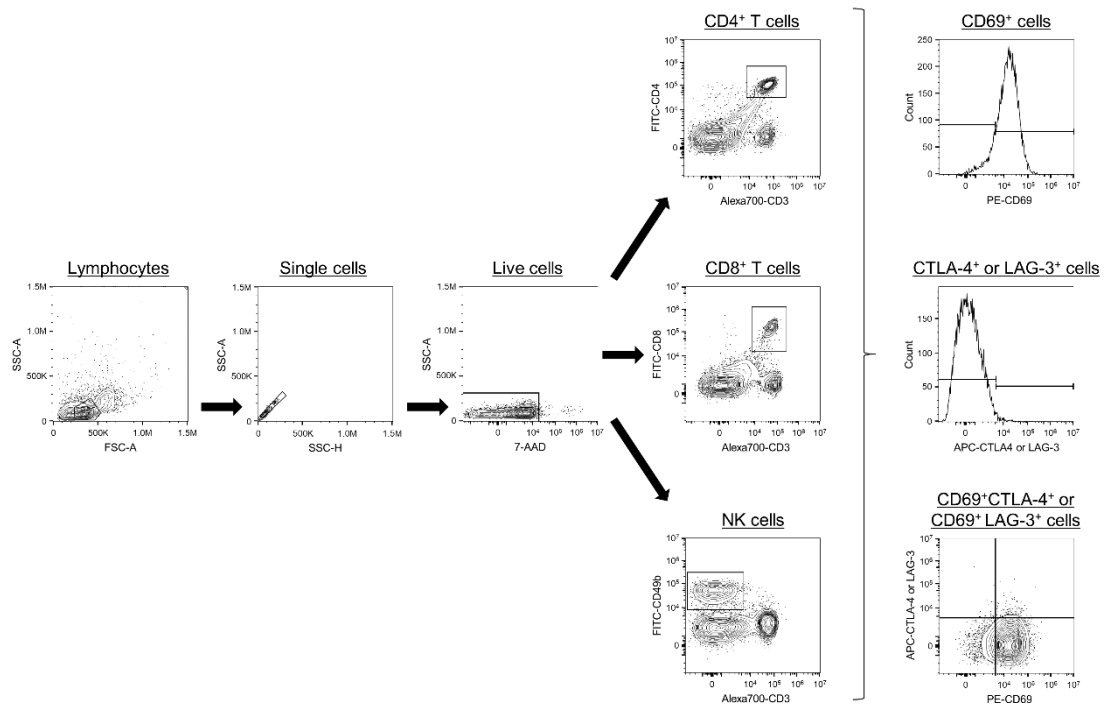


Figure S1. Gating strategy for the FCM analysis of lungs with Renca metastasis.

After gating the lymphocytes, single cells and gated live cells, CD4⁺ T cells (CD3⁺CD4⁺ cells), CD8⁺ T cells (CD3⁺CD8⁺ cells), NK cells (CD3⁻CD49b⁺ cells) were identified. In each immune cell population, the CD69⁺ gate, the CTLA-4⁺ gate, the LAG-3⁺ gate, the CD69⁺CTLA-4⁺ gate, and the CD69⁺LAG-3⁺ gate was set by using isotype controls.