

Descriptions of Additional Supplementary Files

Supplementary Movie 1

Description: TIL isolated from irradiated MC38 tumors in *Sirpα*^{-/-} mice kill MC38 cells. MC38 tumors in *Sirpα*^{-/-} mice were irradiated with a single fraction of 8Gy. Three days post-irradiation, CD8⁺ TIL were isolated from irradiated tumors and incubated with MC38 cells at a ratio of 1:4 (MC38:CD8⁺ TIL). Real-time videos recording TIL killing MC38 cells were made using a Nikon camera (DS-Qi1MC) with NIS-Elements software BR 4.20.00 (Nikon Instruments) that captures images at ten-second intervals over a three-hour period.

Supplementary Movie 2

Description: In vitro generated MC38-specific Tc kill MC38 cells. MC38-specific Tc generated by incubating MC38 TIL with MC38 tumor antigen-loaded *Sirpα*^{-/-} macrophages were cocultured with MC38 cells at a ratio of 1:3 (MC38:CD8⁺ Tc). Real-time videos recording Tc killing MC38 cells were made using a Nikon camera (DS-Qi1MC) with NIS-Elements software BR 4.20.00 (Nikon Instruments) that captures images at ten-second intervals over a three-hour period.

Supplementary Movie 3

Description: In vitro generated KPC-specific Tc kill KPC cells. KPC-specific Tc were generated by incubating KPC TIL with KPC tumor antigen-loaded *Sirpα*^{-/-} macrophages and then were cocultured with KPC cells at a ratio of 1:3 (KPC:CD8⁺ Tc). Real-time videos recording Tc killing KPC cells were made using a Nikon camera (DS-Qi1MC) with NIS-Elements software BR 4.20.00 (Nikon Instruments) that captures images at ten-second intervals over a three-hour period.