Supporting Information

Photothermal therapy combined with neoantigen cancer vaccination for effective immunotherapy against large established tumors and distant metastasis.

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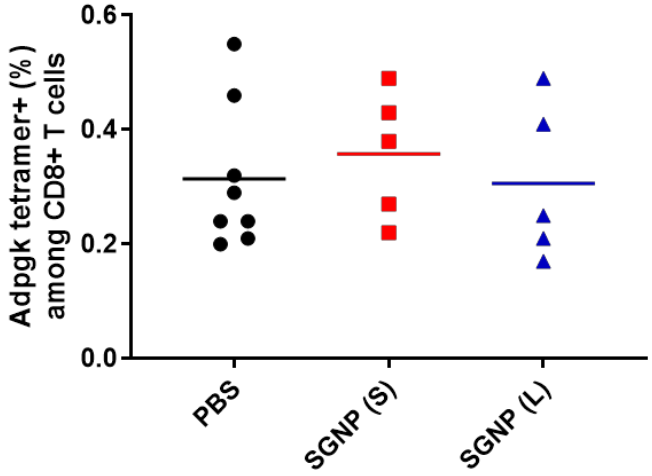

Figure S1. Frequency of Adpgk-specific CD8+ T cells in PBMCs by PBS or SGNP, followed by laser irradiation, in mice bearing small (S) or large (L) tumors.

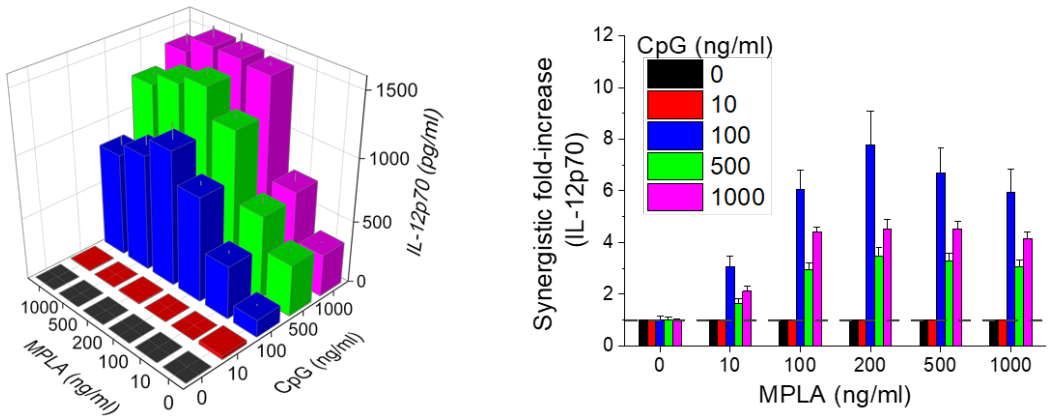

Figure S2. Secretion of IL-12p70 by BMDCs and corresponding synergistic fold increase, compared with the additive level, as measured after the combinational treatment of MPLA (0 – 1000 ng/ml) and CpG (0 – 1000 ng/ml) for 24 h.

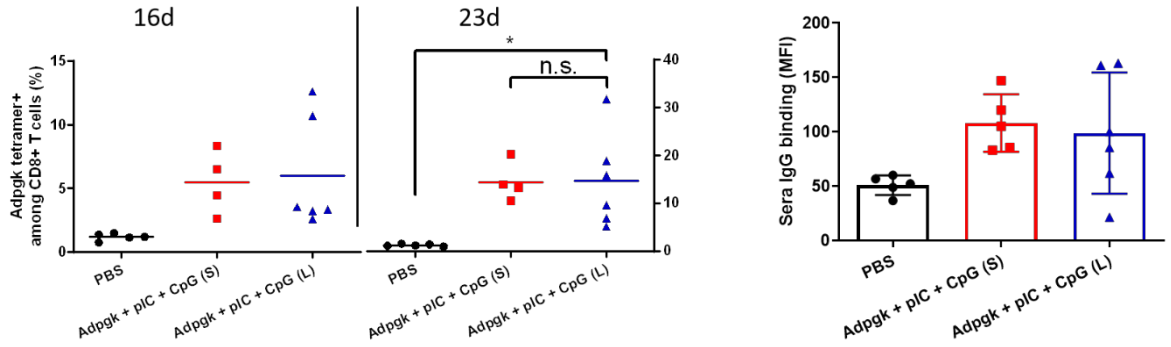

Figure S3. Frequency of Adpgk-specific CD8+ T cells in PBMCs and MFI of MC38 cell-binding sera IgG in mice bearing small (S) or large (L) tumors.

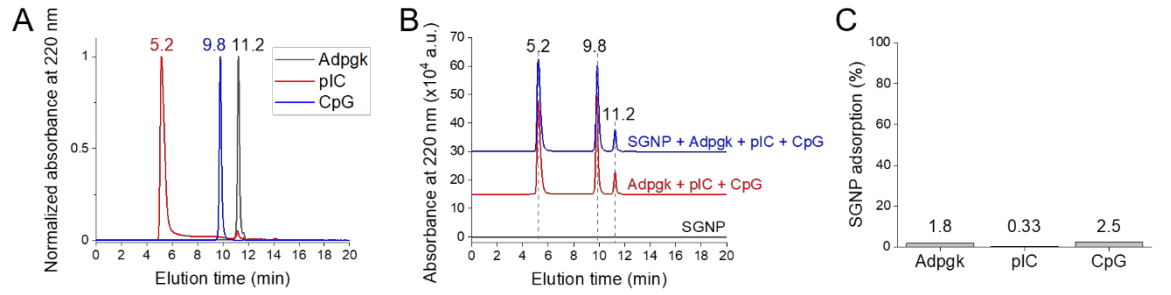

Figure S4. (A) Normalized gel permeation chromatography (GPC) spectra of Adpgk, pIC, and CpG. (B) SGNPs were mixed with Adpgk/pIC/CpG for 24 h at room temperature, separated by centrifuge, and the supernatant was compared with the original solution of Adpgk/pIC/CpG and supernatant of pristine SGNP suspension on GPC. (C) SGNP adsorption of Adpgk, pIC, or CpG calculated by their GPC intensity changes in the supernatant solutions shown in (B).

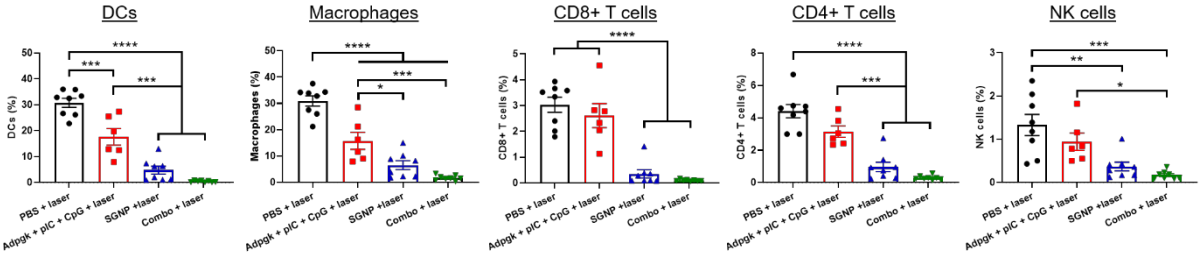

Figure S5. The frequency of DCs, macrophages, CD8+ T cells, CD4+ T cells, and NK cells in the primary tumors.

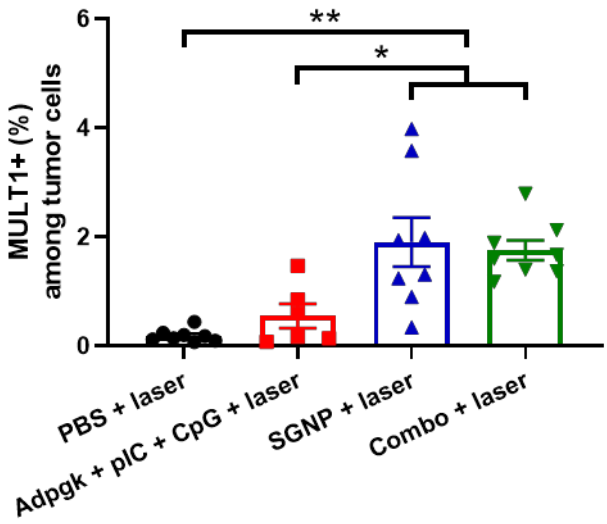

Figure S6. Percent of MULT-1-positive cells in the primary tumors.

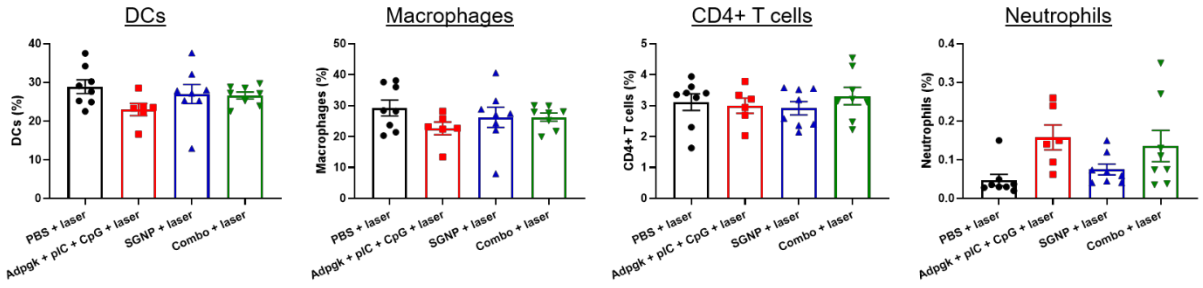

Figure S7. The frequency of DCs, macrophages, CD4+ T cells, and neutrophils in the contralateral tumors.