Figure S1: TLR7 stimulation decreases MDSC in 4T1 tumor-bearing mice.

Flow cytometry analysis of MDSC subpopulations in tumor and spleen from 4T1 tumor-bearing mice injected with two cycles of two injections of 25 μg R848 at a 24-h interval (5 days between the two cycles). Mice were sacrificed 18h after the last injection. Dot plots from one representative mouse per group and means of 3 mice/group are shown. Error bars show SEM. *p<0.05. Student’s t-test.
Figure S2: TLR7 stimulation prevents growth of CT26 tumors.

CT26 tumor-bearing mice were treated repeatedly with two injections of 25 μg R848 or with PBS (black arrows). Mean ± SEM of tumor area measured for individual mice (n=5) are shown. Data are representative of 3 independent experiments. **p<0.01, ****p<0.0001. ANOVA with Bonferroni’s post-test.
Fig. S1

A

Tumor

CD11b

GR1

PBS

R848

m-MDSC

g-MDSC

m-MDSC

g-MDSC

nb cells/gram of tumor

B

Spleen

CD11b

GR1

MDSC

MDSC

nb cells/spleen

GR1

CD11b

PBS

R848

m-MDSC

g-MDSC

PBS

R848

m-MDSC

g-MDSC
Fig. S2

- **PBS**
- **R848**

Tumor area (mm$^2$) vs. Days

- **Significance Levels**:
  - *, **, **** indicate statistical significance.

Arrows at specific days may indicate interventions or time points of interest.