

Legends to Supplementary Figures

Supplementary Figure 1

CD11b⁺Gr-1⁺ cells from 4T1 tumor-bearing mice produced similar amounts of ROS and NO than CD11b⁺Gr-1⁺ cells from 4T1 tumor-bearing mice exposed to MPA. **A)** Production of ROS by CD11b⁺Gr-1⁺ cells from tumor-bearing mice (4T1) and from tumor-bearing mice treated with MPA (4T1+MPA) in basal conditions (-) or upon *ex vivo* stimulation with PMA. **B)** Production of NO by CD11b⁺Gr-1⁺ cells from tumor-bearing mice (4T1) and from tumor-bearing mice treated with MPA (4T1+MPA). MFI for ROS and NO were depicted in A and B. **C)** Representative histograms. Results from one representative experiment are shown.

Supplementary Figure 2

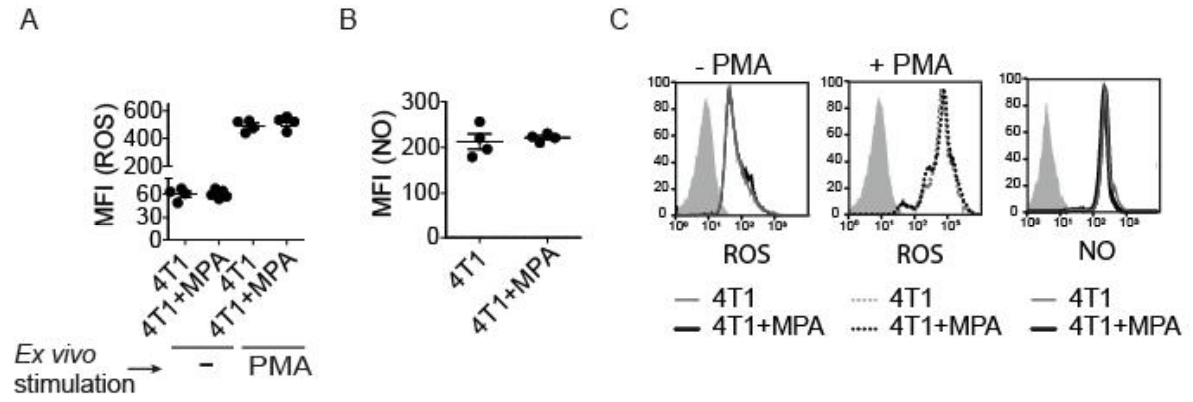
Longer exposure to MPA does not further increase the expansion of CD11b⁺Gr-1⁺ cells in mammary tumor-bearing mice. Mice were injected with MPA, and 26 days later they were injected with 4T1 cells. When tumors reached a volume of 1000 mm³, mice were euthanized, and spleens were used to assess the accumulation of CD11b⁺Gr-1⁺ cells. **A)** Percentage of CD11b⁺Gr-1^{high} and CD11b⁺Gr-1^{low} cells in spleens of control mice (injected with PBS or MPA alone) and in tumor-bearing mice (in the absence or in the presence of MPA). **B)** Effect of chronic exposure to MPA on total leukocytes, T cells (CD3⁺ cells), NK cells (CD3⁺DX5⁺ cells), MDSCs (CD11b⁺Gr-1⁺ cells), G-MDSCs (CD11b⁺Gr-1^{high} cells), M-MDSCs (CD11b⁺Gr-1^{low} cells). Data of cells/ml and percentages in blood of mice treated with PBS or with MPA were depicted. *In vivo* experiments were performed twice with > 5 animals per group.

Supplementary Figure 3

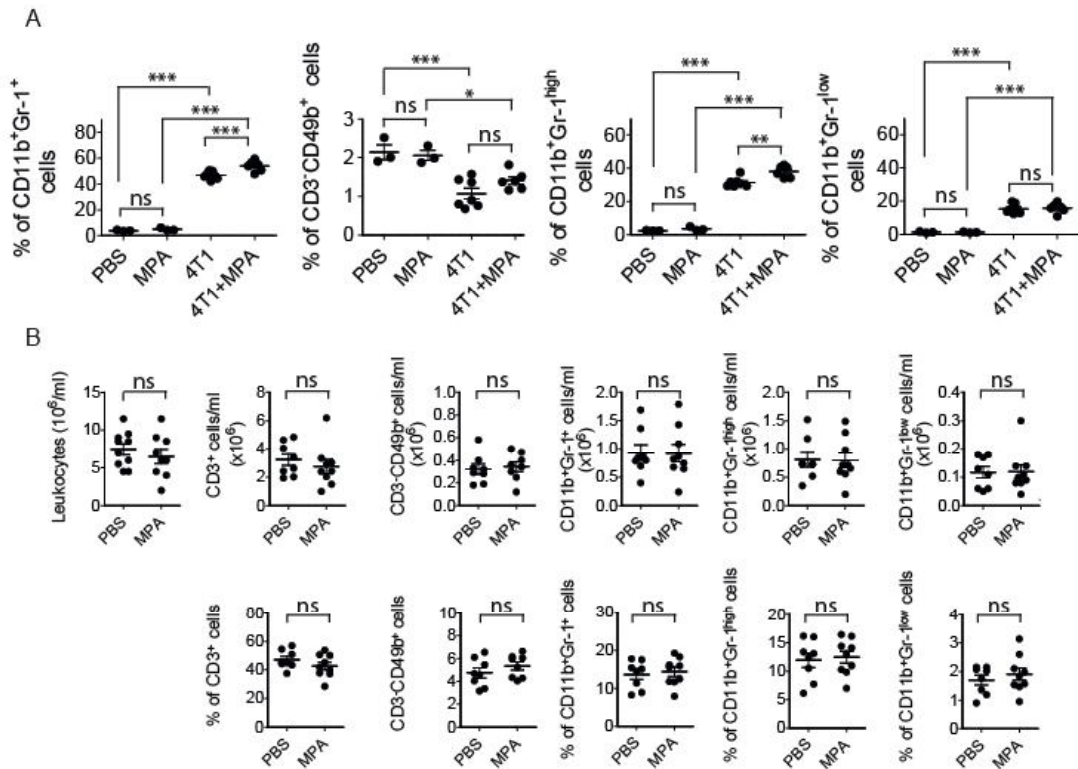
CD11b⁺Gr-1⁺ cells do not regulate the expression of NKG2D and NKp46. Expression of NKG2D (A, B) and NKp46 (C, D) on NK cells (gated as CD3⁻CD49b⁺ cells) from spleens of normal BALB/c mice upon culture overnight in the absence (-) or in the presence of sorted CD11b⁺Gr-1⁺ cells isolated from spleens of 4T1 tumor-bearing mice [+CD11b⁺Gr-1⁺ (4T1)] or from 4T1 tumor-bearing mice exposed to MPA [+CD11b⁺Gr-1⁺ (4T1+MPA)]. Data from different combinations of NK cells and CD11b⁺Gr-1⁺ cells together with the mean and SEM are shown (A, C). Representative dot plots (B, D). Gray histograms: IC control mAb. Results from one representative experiment are shown and *in vivo* experiments were performed twice with ≥ 3 animals per group.

Supplementary Figures

Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3

