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.
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

A

Ex vivo stimulation → - PMA

B

C

Supplementary Figure 2

A

B

Leukocytes (10^6/ml)

CD44+/Gr-1+
cells

CD11b+/Gr-1+
cells

CD11b-Gro-Gα cells/ml

CD11b-Gro-Gα cells/ml

CD11b-Gro-Gα cells/ml

% of CD11b+Gr-1+ cells

% of CD44+ cells

% of CD11b+Gr-1+ cells

% of CD11b+Gr-1+ cells

% of CD11b+Gr-1+ cells
Supplementary Figure 3

A

MFI (NKG2D)

+CD11b*Gr-1* (4T1)

+CD11b*Gr-1* (4T1+MPA)

ns

B

MFI

NKG2D

24.8

26.5

28.5

+CD11b*Gr-1* (4T1)

+CD11b*Gr-1* (4T1+MPA)

C

MFI (NKp46)

+CD11b*Gr-1* (4T1)

+CD11b*Gr-1* (4T1+MPA)

ns

D

MFI

NKp46

60.9

62.8

62.0

+CD11b*Gr-1* (4T1)

+CD11b*Gr-1* (4T1+MPA)