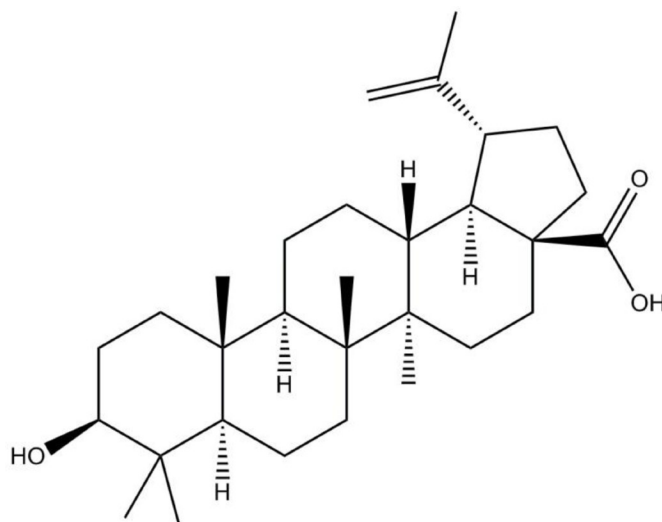
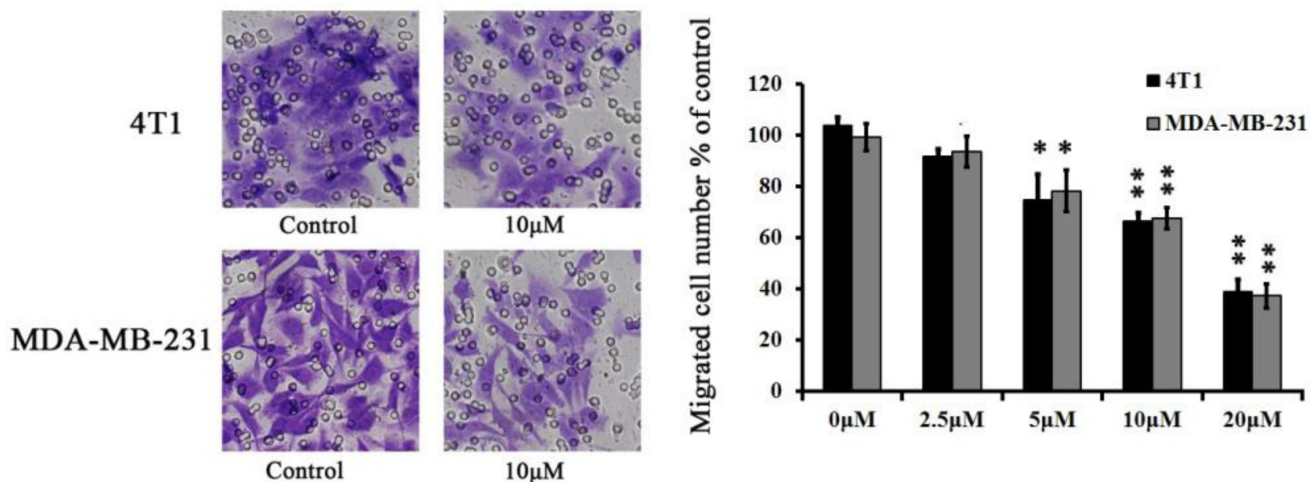


Betulinic acid impairs metastasis and reduces immunosuppressive cells in breast cancer models

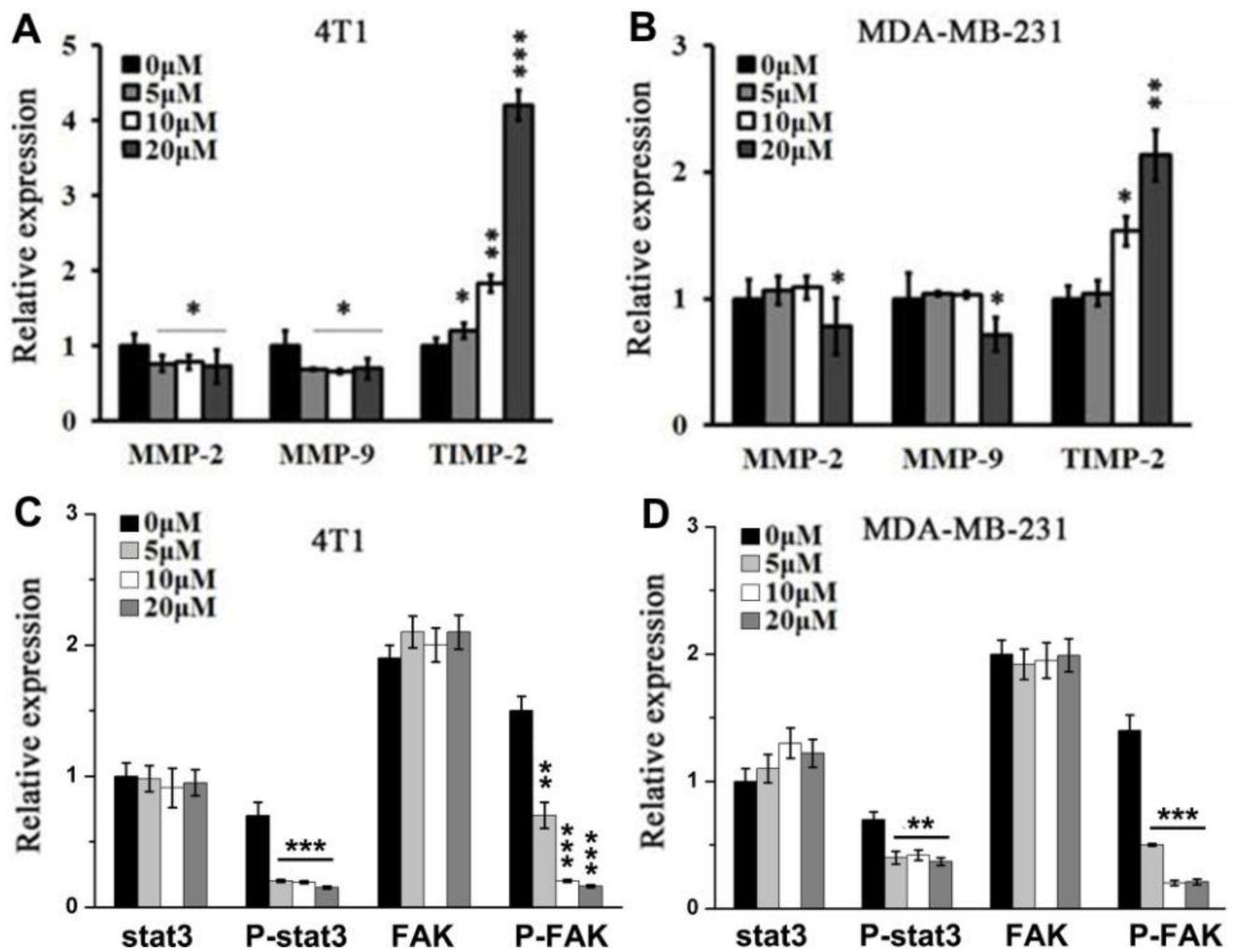
SUPPLEMENTARY MATERIALS



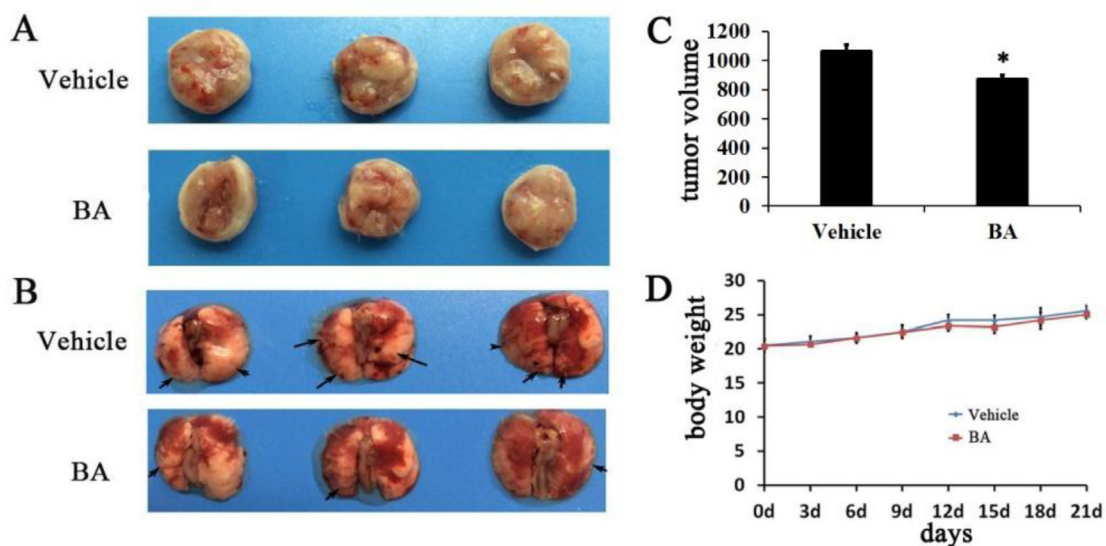
Supplementary Figure 1: The chemical structure of betulinic acid (BA).



Supplementary Figure 2: BA inhibits breast cancer cells 4T1 and MDA-MB-231 migration and invasion in 24 h.



Supplementary Figure 3: The relative expression of MMP-2, MMP-9, TIMP-2, Stat3, P-Stat3, FAK and P-FAK of 4T1 and MDA-MB-231.



Supplementary Figure 4: Anti-tumor and lung metastasis effects of BA *in vivo* in subcutaneous tumor model. (A) The tumor size of vehicle and BA-treated groups. (B) The lungs from the mice at day 21 in vehicle and BA-treated groups. (C) The tumor volume of vehicle and BA-treated groups. (D) The body weight were measured and calculated every three days.