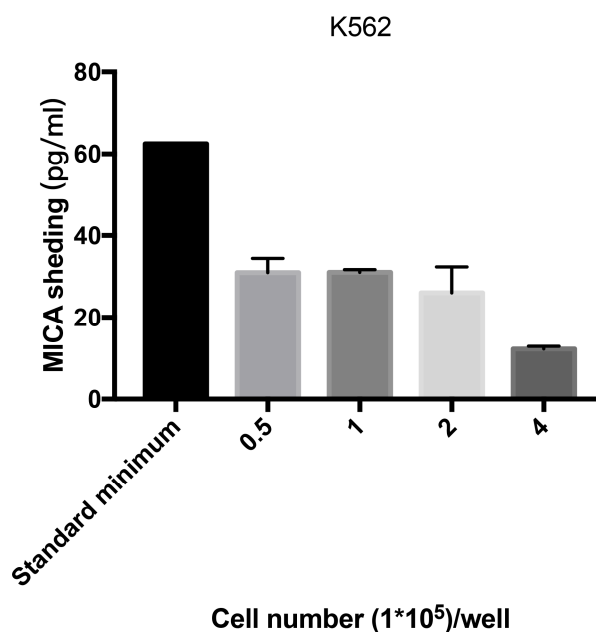


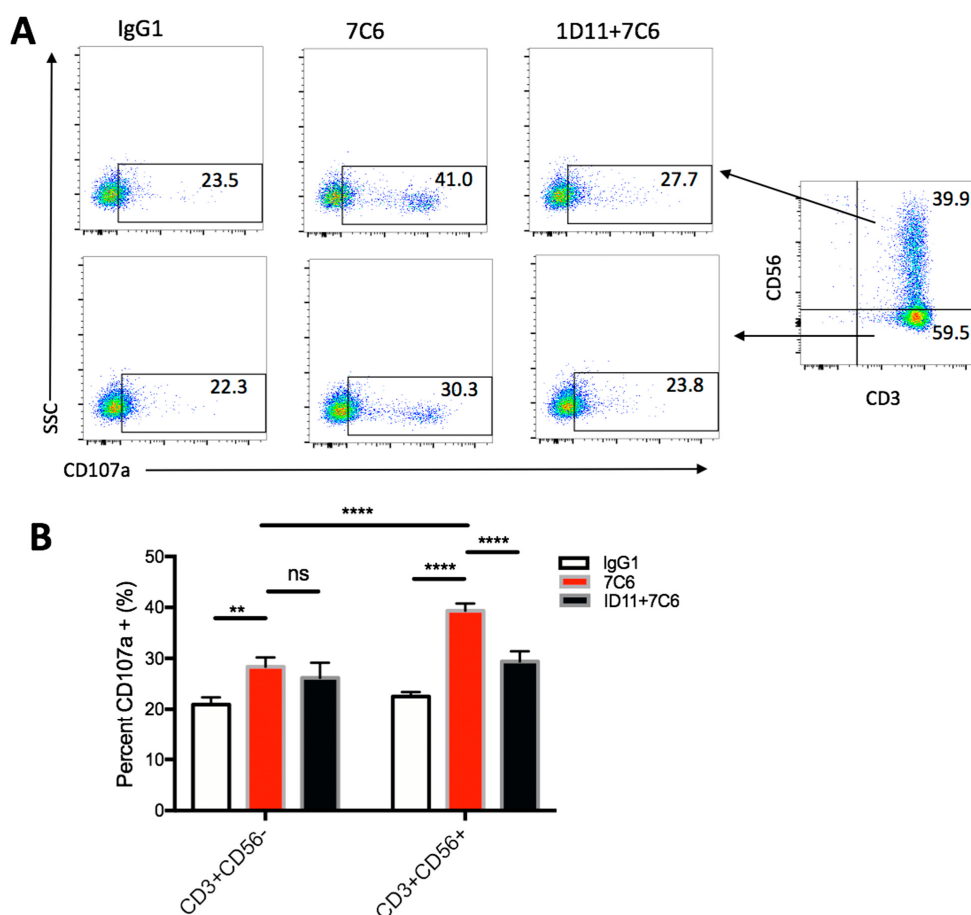
## Supplementary Materials

# Increase of Antitumoral Effects of Cytokine-Induced Killer Cells by Antibody-Mediated Inhibition of MICA Shedding

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**Figure S1.** No MICA shed from K562 cells. Indicated number of K562 cells were incubated with 7C6 mAb or IgG1 control antibody at 10  $\mu$ g/mL for 48 h. Shed MICA was quantified in the supernatant by sandwich ELISA. Data are mean  $\pm$  SD of duplicate measurements and one representative of three independent experiments. Black bar indicates the sensitivity of this ELISA kit with a minimum detectable concentration of 62.5 pg/mL.



**Figure S2.** 7C6 mAb increases the degranulation of CD3+CD56+ NKT cells and CD3+CD56- T cells against K562 cells. CIK cells were pretreated with 1D11 or IgG1 antibody at 10  $\mu$ g/mL 1 h prior to coculture with tumor cells. Afterwards, pretreated CIK cells were coincubated with indicated tumor targets at 5:1 E/T ratio in the presence of 7C6 mAb or IgG1 antibody at 10  $\mu$ g/mL. APC-CD107a was added at the start of coculture. At the end of 4 h incubation, degranulation of CIK cells was determined using flow cytometry by staining cells with FITC-CD3 and PE-CD56 antibodies. **(A)** The degranulation of CD3+CD56+ (upper panel) and CD3+CD56- (lower panel) subset cells were analysed. Numbers represent the percentage (%) of gated population. **(B)** Data are mean  $\pm$  SD of triplicates from 'A', representative of three independent experiments. ns means  $p > 0.05$ , \*\*  $p < 0.01$ , \*\*\*\*  $p < 0.0001$  calculated by two-way ANOVA, Bonferroni's post-hoc test.

