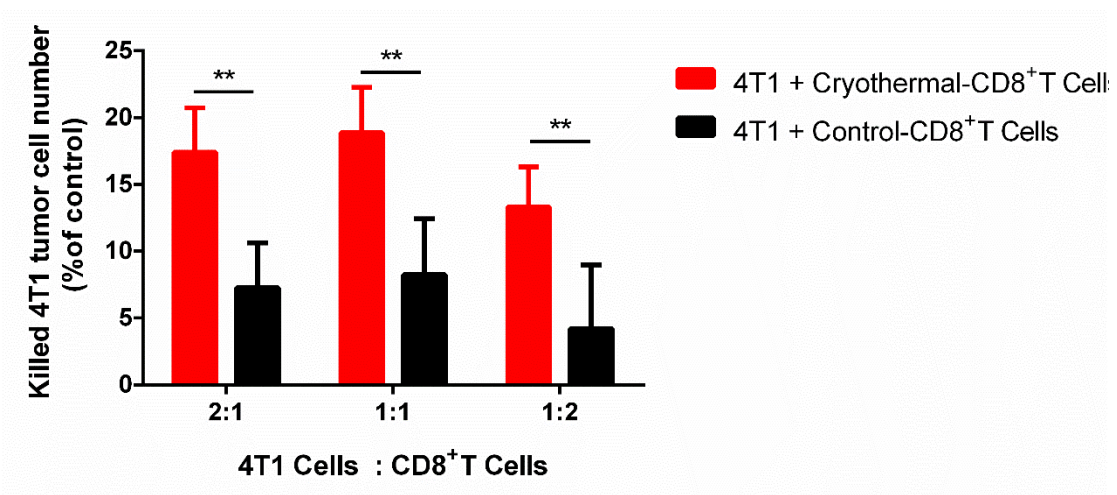


Supplementary Figure 1. The number of DC maturation was no significant difference compared to that in the cryo-thermal therapy on day 5.

The flow cytometry analysis was performed to examine the percentages of DCs (MHCII+CD86+CD11c+) in the treated mice received injection of neutralizing IL-6 antibody. The percentage of the DCs remained at higher level with no significant difference on day 5 after the cryo-thermal therapy with IL-6 neutralization in comparison to that with the isotype IgG antibody; Data was shown as mean \pm SD. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ by two-way ANOVA with the Bonferroni correction.



Supplementary Figure 2. anti-tumor response in CD8+ T cells with high IFN- γ , granzyme b, and perforin levels after “acute” phase, the cytotoxic activity of CD8+ T cells was measured by using CCK8 assay. The ability of killing 4T1 tumor cells of CD8+ T cells on day 14 after the cryo-thermal therapy was

*obviously enhanced compared with CD8⁺ T cells from the tumor-bearing mice. Data was shown as mean \pm SD. * p < 0.05, ** p < 0.01, *** p < 0.001 by student t test.*