

Time: 2024.09.21-2024.09.25

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1. **Experiment:** Adoptive cell transfer therapy
2. **Time:** 2024.09.21-2024.09.25
3. **Member:** Song Zhang, Xudong Tang
4. **Material:**

Name	Supplier or Formulation
Sterile syringes for single use	BD
Animal scales	Shimadzu
Hep G2	ATCC
NK92	ATCC
Specific KARs/KIRs CAR-NK cells	Self-construction in Lab
BALB/c Rag2 <sup>KO</sup> IL2rg <sup>KO</sup> mice (NCG Mice)	GemPharmatech Co., Ltd

5. **Method:**

- (1) Model mice were injected subcutaneously with  $1 \times 10^6$  luciferase-stable HepG2 cells seven days prior to the experiment.
- (2) One day before the adoptive transfer of effector cells, in vivo imaging was conducted to measure tumor size, and the mice were grouped accordingly.
- (3) On days 7, 14, and 21,  $1 \times 10^7$  NK-92 cells and specific KARs/KIRs CAR-NK cells were administered via tail vein injection.
- (4) Following the grouping, in vivo imaging of intrahepatic tumor size was performed every seven days.