

Time: 2024.06.13-2024.06.15

- Experiment:** NKR sequence design
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- Member:** Yaqi Gao, Song Zhang
- Method:** Both ends of the sequence are transmembrane regions with negative charges, which can carry β and γ domains. After tumor recognition, the negatively charged transmembrane region at both ends will be attracted by the positively charged domain in the middle part to simulate the oligomerization of natural IL-2R.
- Result:**

The intracellular sequence of the first round of screening was applied to the second round. Then the NKR sequence was modified, and the new library was constructed.

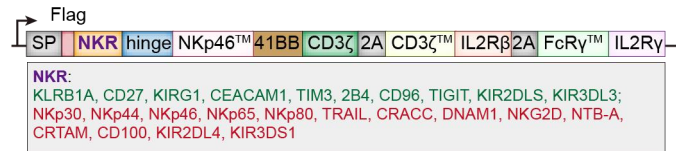


Fig.1 Construction of NK cell library.

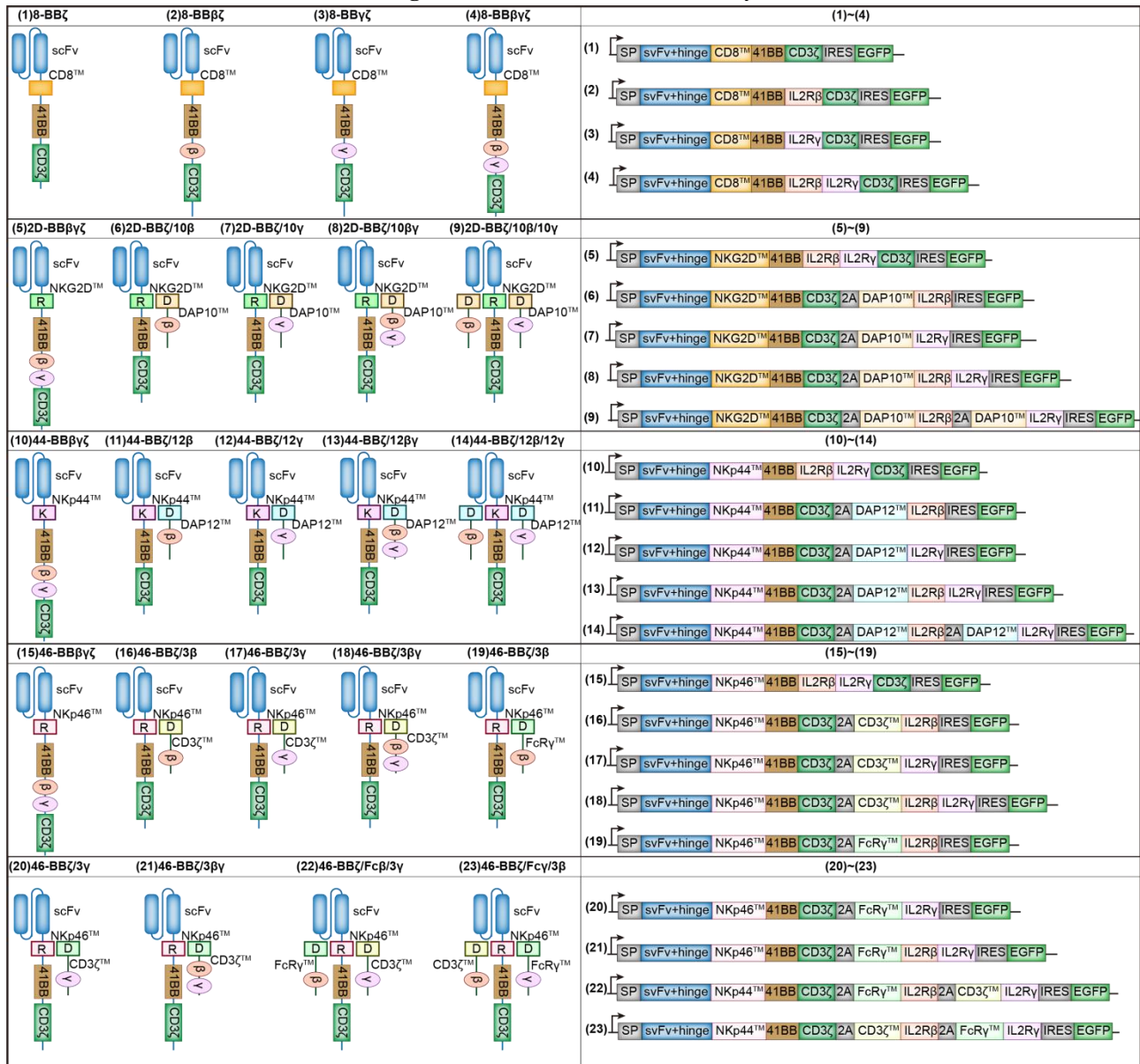


Fig.2 The schematic diagram of NK cell receptors and the corresponding sequences.