CHAPTER IV
OVERALL CONCLUSION

To develop a sustainable supply of NK cells for ACT, the driving of NK cell lineage commitment of CB-MNCs during the first week of expansion is a promising strategy that greatly takes advantage of its developmental potential. Under a feeder-free and cell-sorting-free approach, induction of CBNK cell proliferation was achieved by supplementation with 1 μg/mL LPS. Further upscaling expansion reveals that CBNK cells generated by this technique are composed of both quantification and qualification. This finding serves as the initial step in the development of off-the-shelf CBNK cells as a medicinal product for cancer treatment.