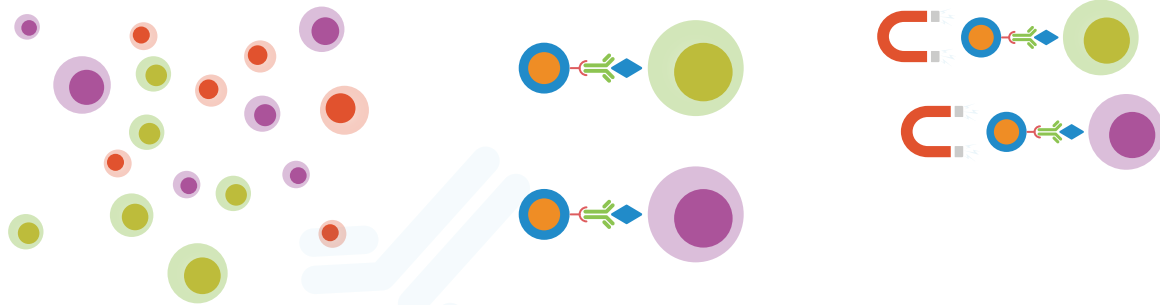


# Nano-Beads Cell Separation Platform Column Free

Flexible simple and rapid cell pre-enrichment

## Product Principle

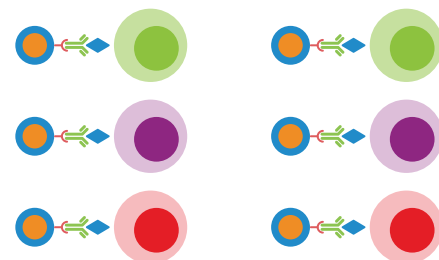


Nano-Bead Cell Separation Platform (Column Free), by adding biotin-antibodies to PBMC or single cell suspension to label non-target cells (negative selection), and then binding streptavidin magnetic beads to labeled non-target cells. The target cells without contact with magnetic beads can be separated quickly, easily and in large numbers.

## Product Component

### Nano-Beads

- Combined with streptavidin
- Good biocompatibility
- Degradable and not affect the cell state
- Good stability & dispersion



### Cell Separation Kits

- Labeled with antibody and Nano-Beads
- Rich in species, including various human and mouse antibodies
- High purity & good viability



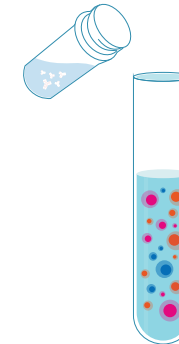
### Magnetic cell separator (CF)

- Single channel
- High intensity magnetic field
- With 5 mL round bottom tube



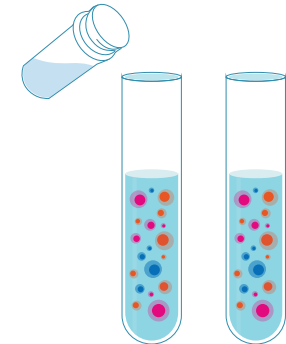
## Experimental Process

1



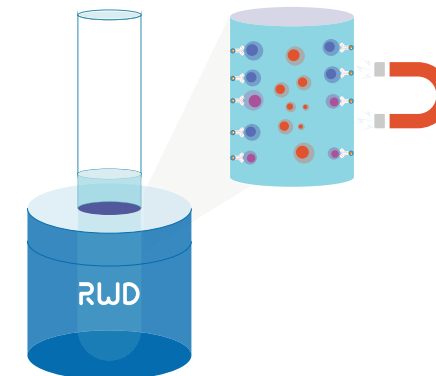
Biotin antibodies are added to the cell suspension and incubated.

2



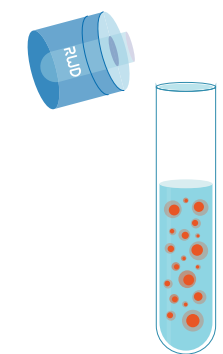
Nano-beads are added to the cell suspension and incubated.

3



The cell suspension was inserted into the RWD Magnetic cell separator (CF). Let the adsorption stand for 5 minutes.

4



The cell suspension is poured into the new tube slowly, the target cell can be recovered and enriched.

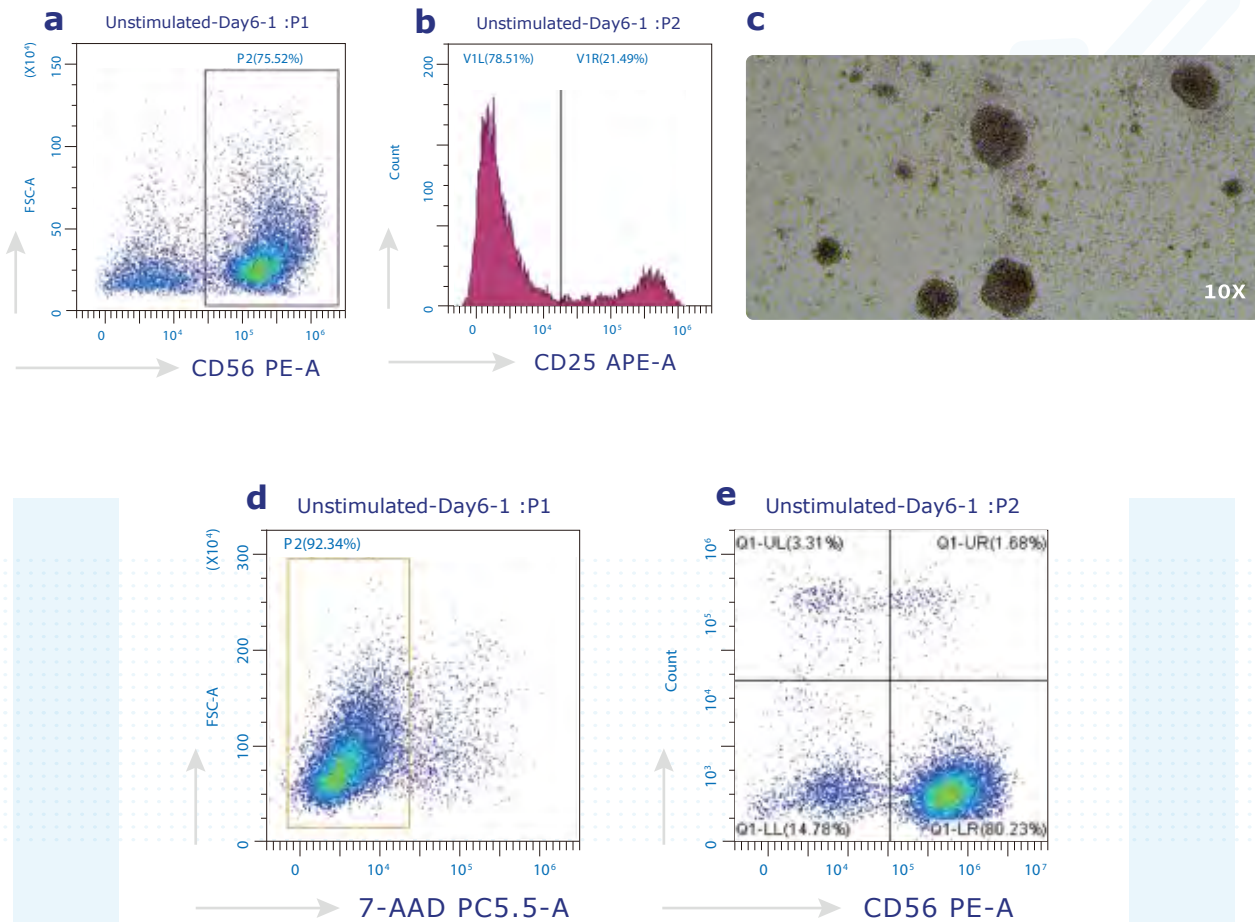
## Experimental Process



- Nano-Beads: mild & low stimulation
- Magnetic adsorption: strong & sensitive
- Column free: fast sorting & low cost
- Negative sorting: get truly untouched cells
- Wide application: direct cell experiments

## Data Presentation

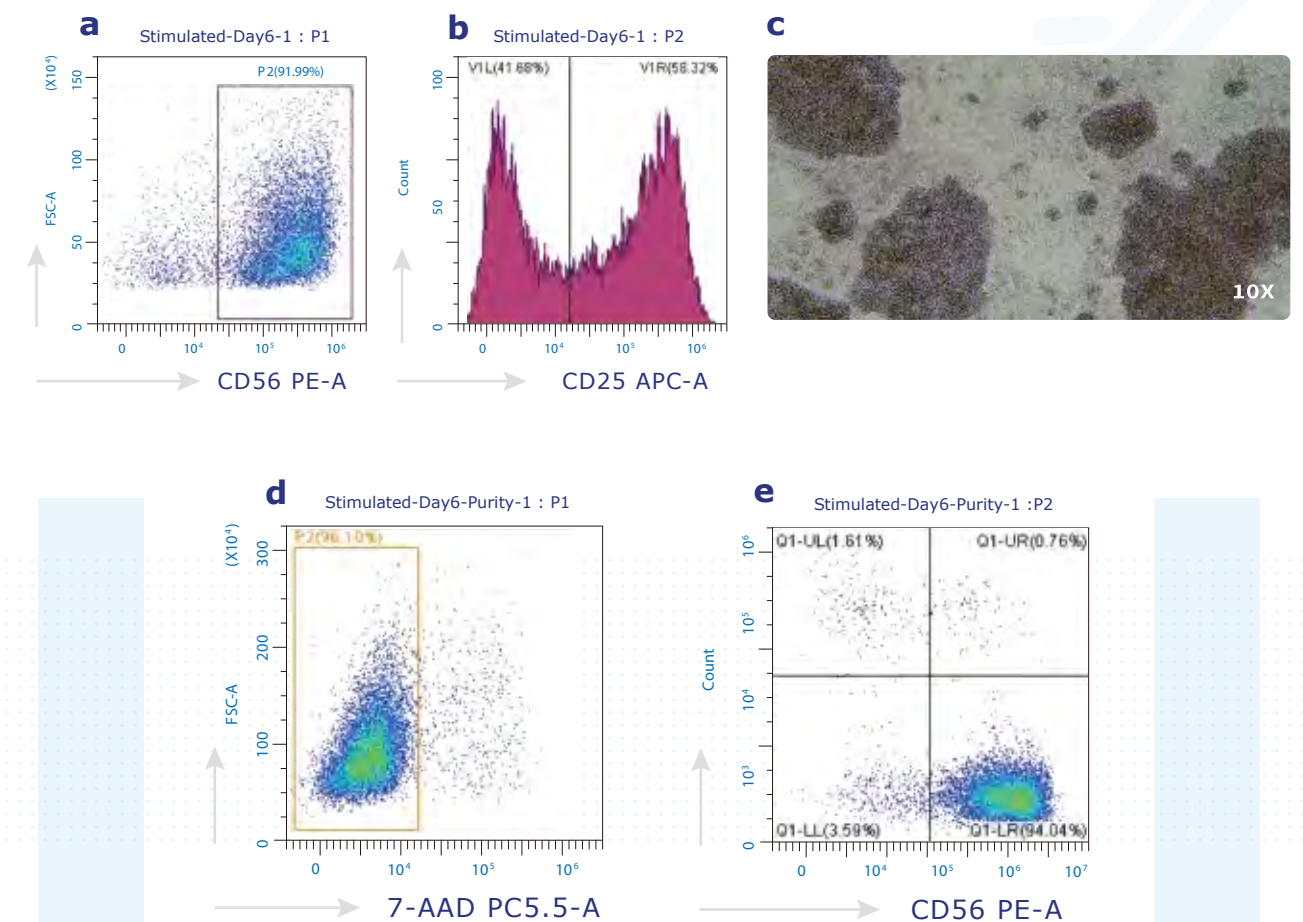
### Human NK Cell isolation Kit-CF (RUO)



### Control, Unstimulate

- a Enriched human NK cells were cultured after 6 days without activation, analysis by flow cytometry.
- b CD25 expression of enriched human NK cells were cultured after 6 days without activation.
- c Cell culture state of enriched human NK cells were cultured after 6 days without activation.
- d Cell activity of enriched human NK cells were cultured after 6 days without activation.
- e After using Human NK Cell isolation Kit-CF (RUO) again, cell purity of enriched human NK cells were cultured after 6 days without activation.

## Data Presentation



### Case, Stimulate

- a Enriched human NK cells were cultured after 6 days activated by IL-2, analysis by flow cytometry.
- b CD25 expression of enriched human NK cells were cultured after 6 days, activated by IL-2.
- c Cell culture state of enriched human NK cells were cultured after 6 days, activated by IL-2.
- d Cell activity of enriched human NK cells were cultured after 6 days, activated by IL-2.
- e After using Human NK Cell isolation Kit-CF (ROU) again, cell purity of enriched human NK cells were cultured after 6 days, activated by IL-2.