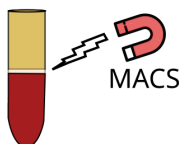


10X 5' Workflow

differentiation protocol

1. purify B cells



MACS

2. analyze *in-vivo* samples

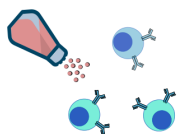


input B cells (day 0)
long-lived



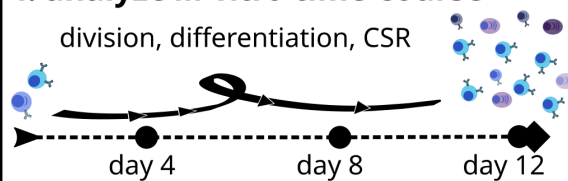
plasma cells: (LLPCs)

3. stimulate w/ cytokines

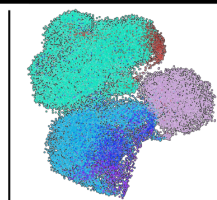


4. analyze *in-vitro* time-course

division, differentiation, CSR



measurements



gene expression



mutation status
isotype / class



surface expression



clonal origin