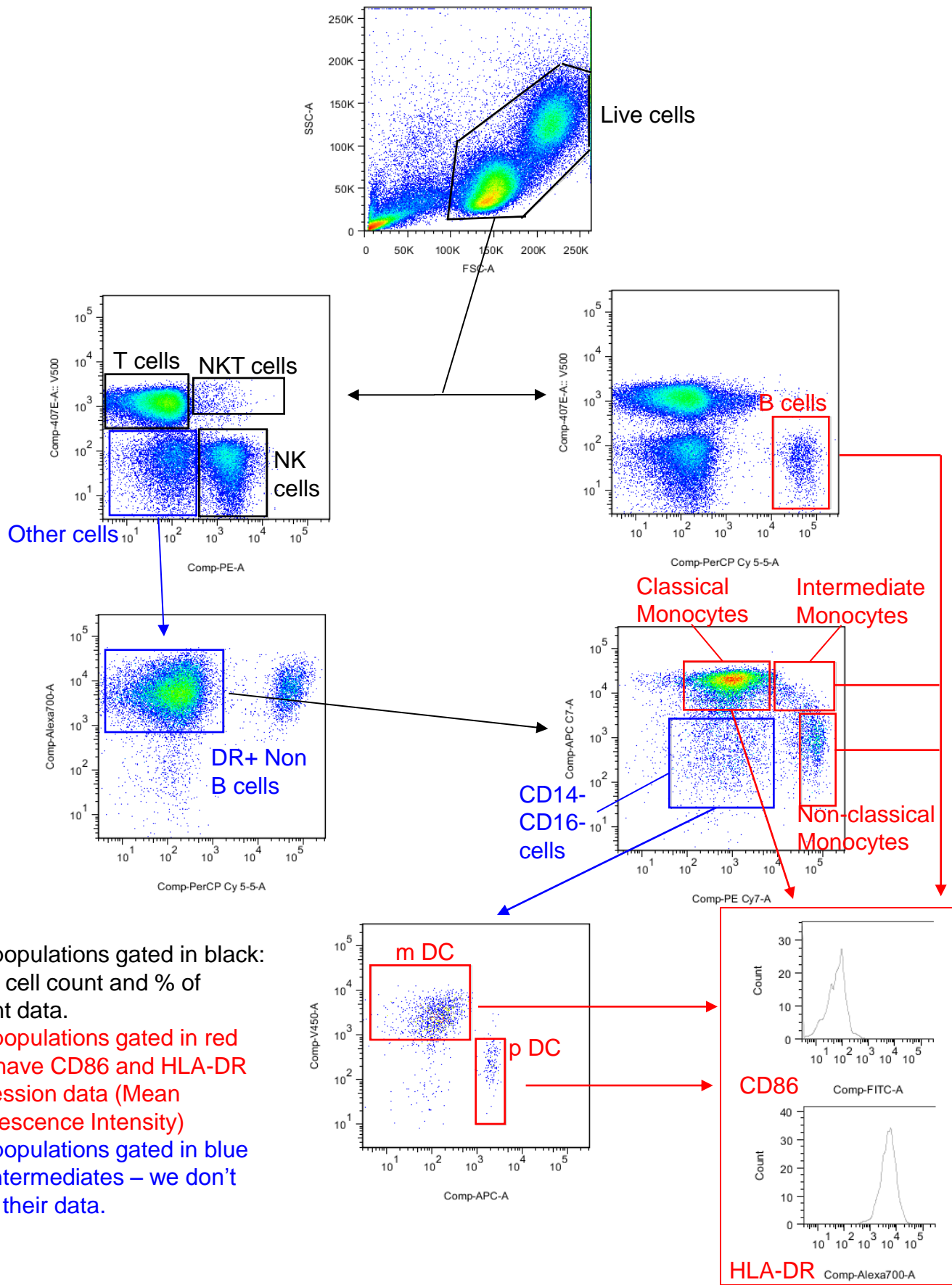
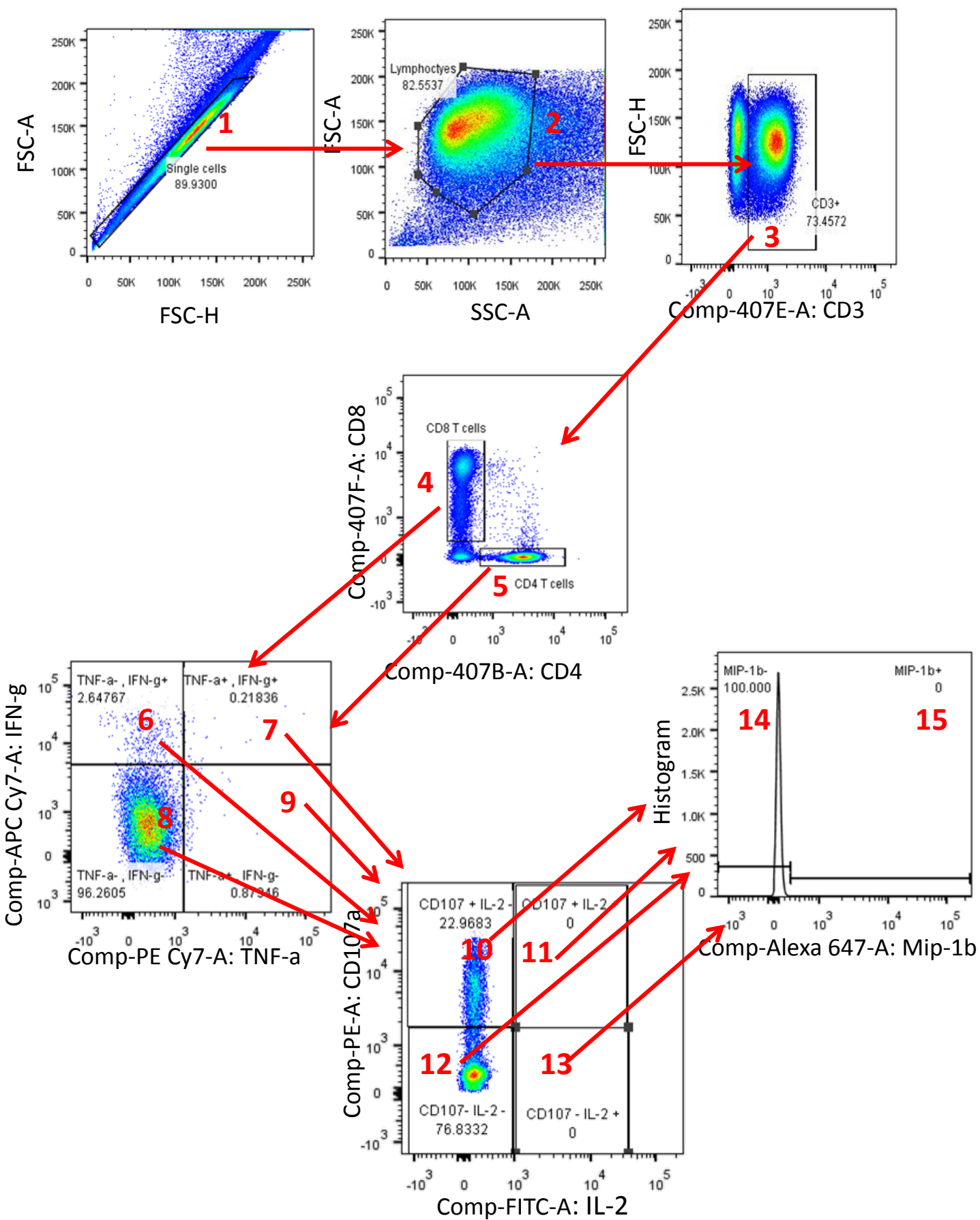


U01

Innate Panel Gating Strategy



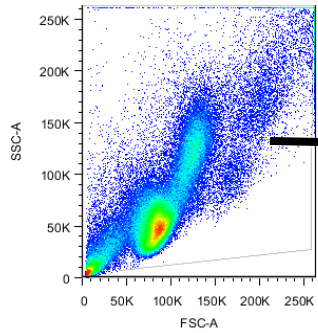
U01 T cell Activation Panel Gating Strategy



U01 B cell Panel Gating Strategy

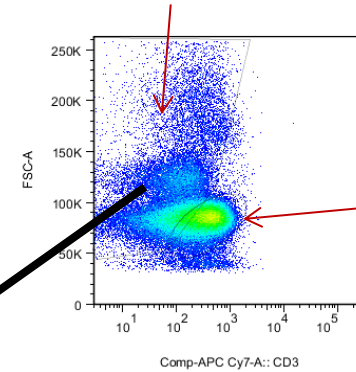
Live cell gate

Exclude dead cells and debris



Non-T cell gate

Exclude most of the CD3+ cells

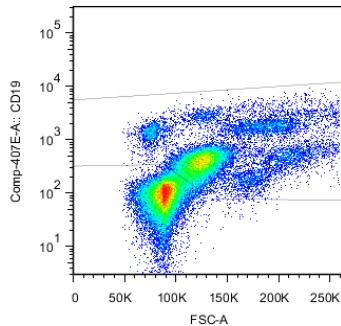


T cell gate

LEPR on CD3+ T cells

B cell gate

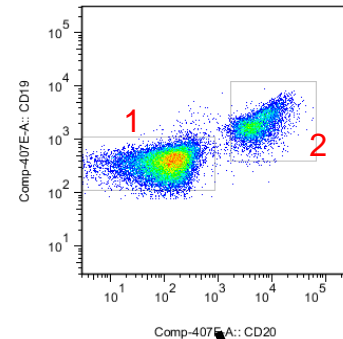
Include only CD19+ cells



CD20- and CD20+ gates

Separate out:

1. Plasma cells (CD20-)
2. Mature B cell subsets (CD20+)

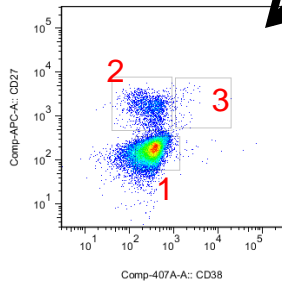


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Plasma cell gates

Separate plasma cells into 3 distinct populations based on CD27 and CD38.

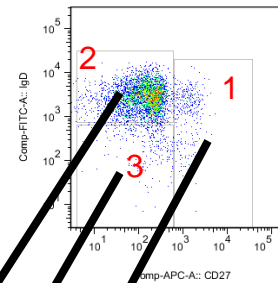
1. CD27+CD38+
2. CD27+
3. CD27^{hi}CD38^{hi}



Activation status gates

Separate mature B cells into 3 distinct populations based on IgD and CD27.

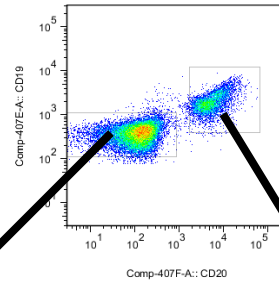
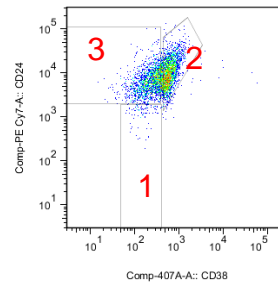
1. CD27+ (activated)
2. IgD+CD27-
3. IgD-CD27-



B cell subset gates

Separate B cells into 3 distinct populations. Each population will also have CD19 expression data.

1. Naïve, mature
2. Transitional
3. Memory

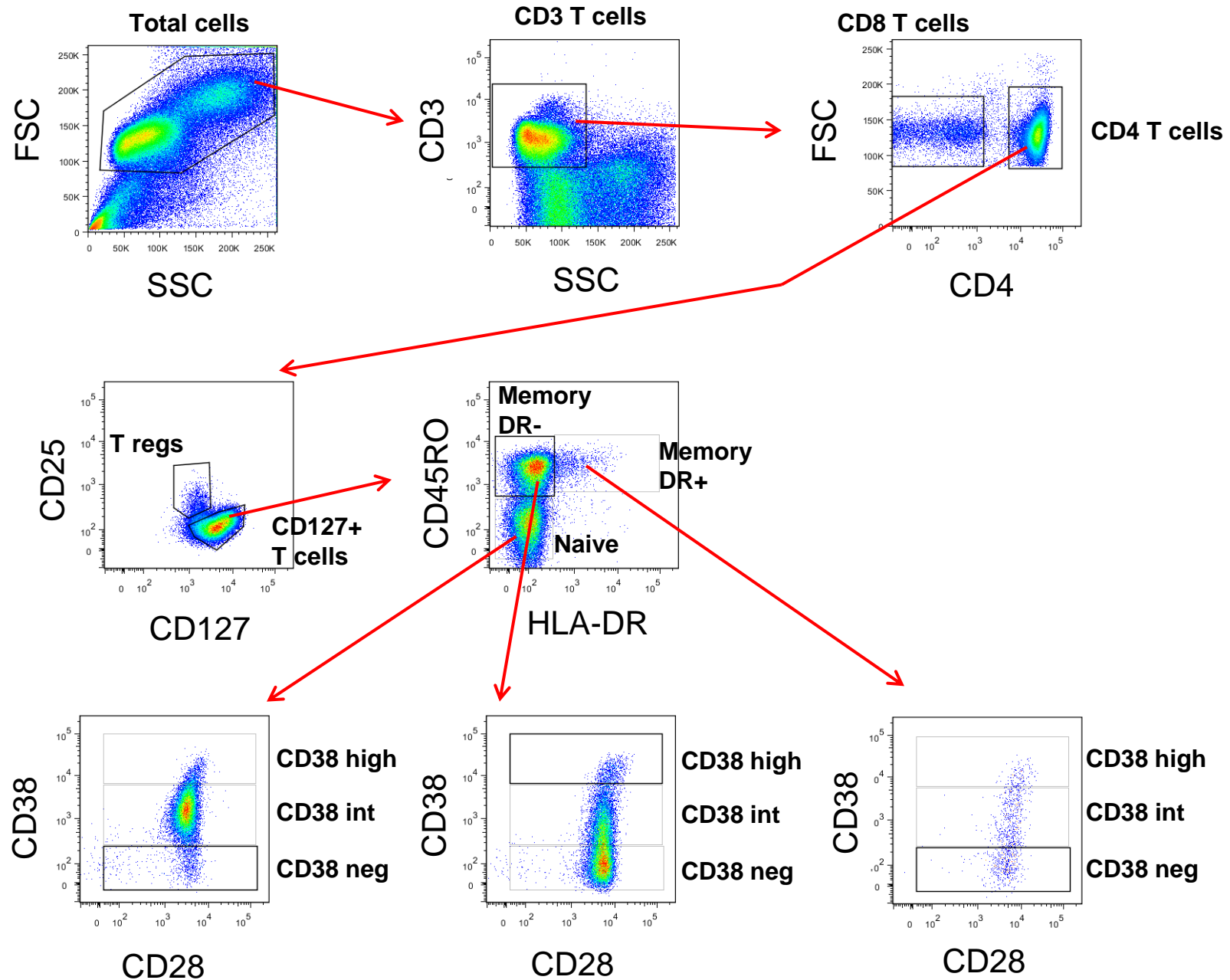


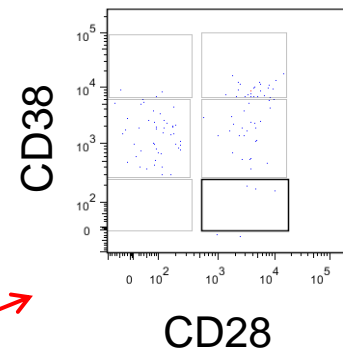
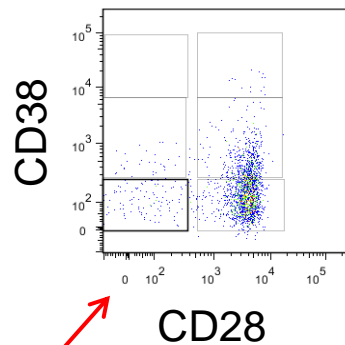
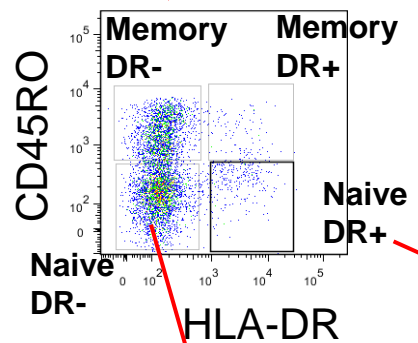
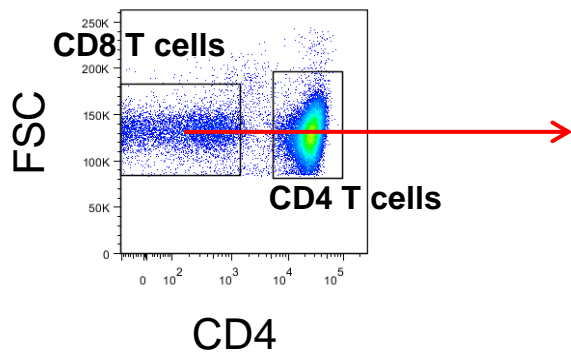
LEPR expression

Will be calculated for 3 populations of cells:

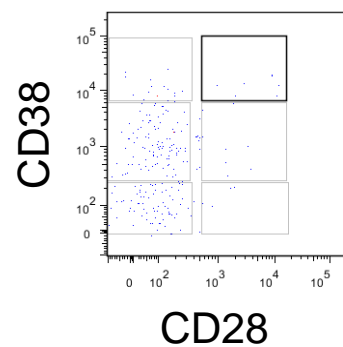
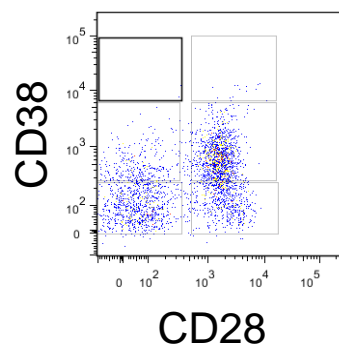
1. T cells
2. CD20+ B cells (mature B cells)
3. CD20- B cells (plasma cells)

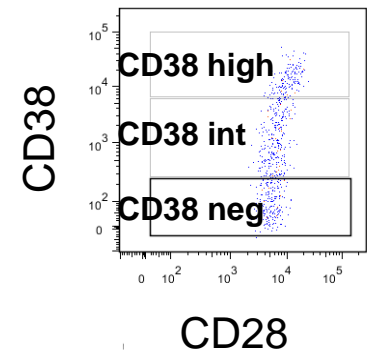
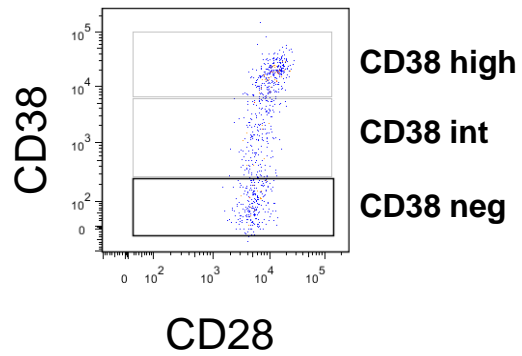
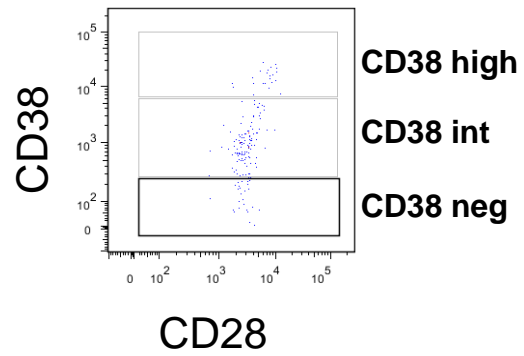
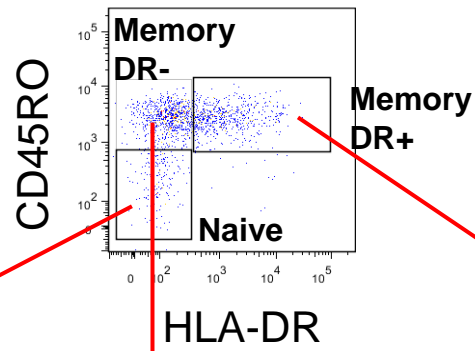
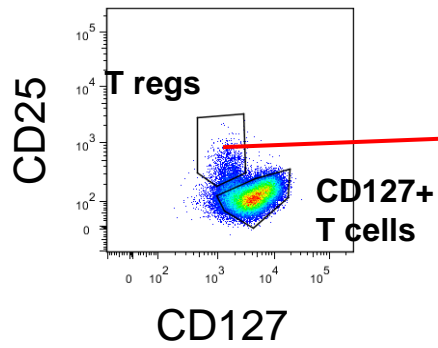
T reg panel gating





CD28-CD38high	CD28+CD38high
CD28-CD38int	CD28+CD38int
CD28-CD38neg	CD28+CD38neg





U01 T cell Activation Panel Gating Strategy

