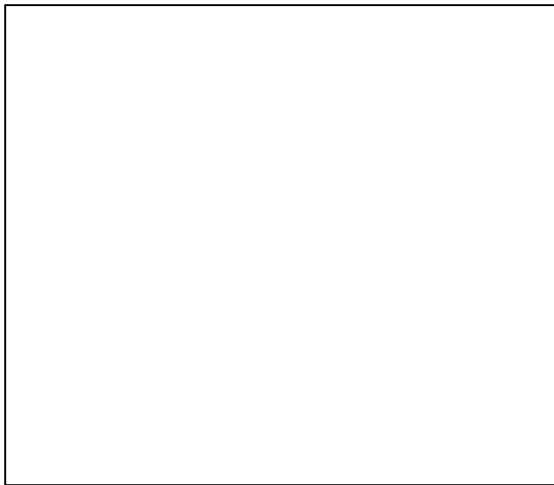


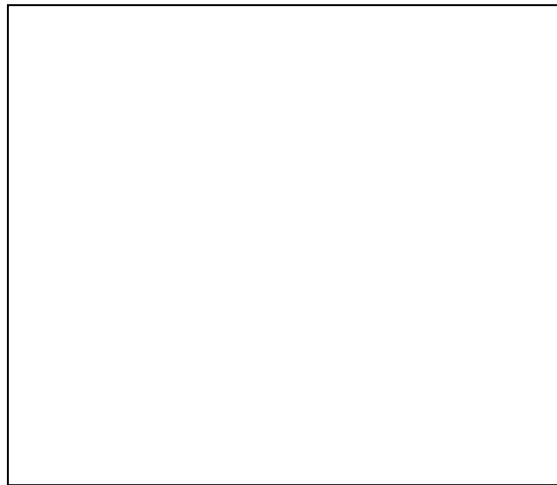
Lab 6  
Introduction to Flow Cytometry

1. Draw dot plots expected when staining cells from the following sources with anti-CD4-FL and anti-CD8-PE. Identify the cell populations, including the unstained cells.
  - a. normal thymus
  - b. normal lymph node
  - c. lymph node from a patient deficient in MHC I
  - d. histogram of CD4 expression combining b (solid line) and c (dotted line).

a



b



c

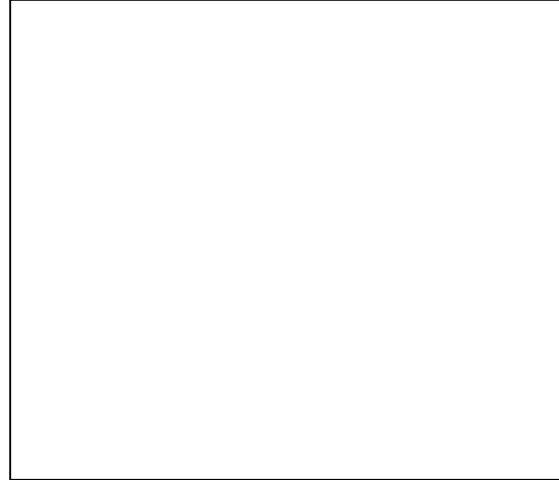
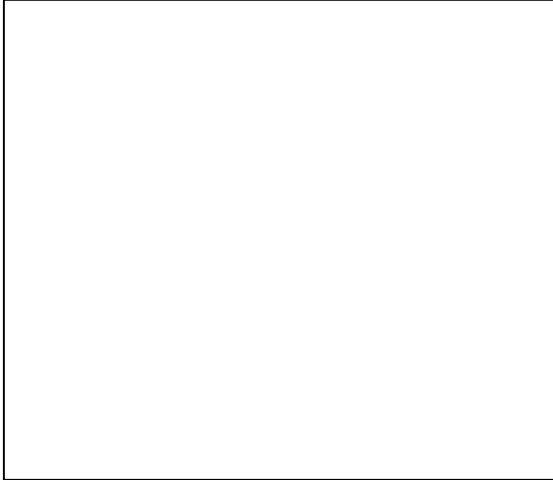


d



2. What pairs of antibodies could you use to distinguish cells from the following patients' lymph nodes? Draw the dot plots expected when staining their cells with your choice of antibodies. Identify the cell populations.

a. a person with a TAP1/TAP2 deficiency vs. a normal control



b. person with a RAG1/RAG2 deficiency vs. a person with a pre-T-alpha (surrogate alpha chain) deficiency

