

B lineage

- Strong CD19 and one of the following
or weak CD19 with two of the following:
cCD79a, cCD22, CD10

T lineage

- Cytoplasmic CD3
(or surface CD3 if present)

Myeloid lineage

- MPO or
- Monocytic differentiation
Two of the following:
NSE, CD11c, CD14, CD64, lysozyme

Table 1: Lineage assignment per the WHO classification system ¹