

Fraction	Subset	Marker Profile
A	Pre-Pro-B	B220 ⁺ , CD43 ⁺ , CD24 ⁻ , Ly51 ⁻
B	Pro-B	B220 ⁺ , CD43 ⁺ , CD24 ⁺ , Ly51 ⁻
C	Pro-B/ Large pre-B	B220 ⁺ , CD43 ⁺ , CD24 ⁺ , Ly51 ⁺
D	Small Pre-B	B220 ⁺ , CD43 ⁻ , IgM ⁻
E	Immature B	B220 ⁺ , CD43 ⁻ , IgM ⁺

Full definition	Abbreviation	Marker Profile
Hematopoietic Stem Cell	HSC	Lin ⁻ , c-Kit ^{high} , Sca-1 ^{high} , CD150 ⁺
Lymphoid-primed Multipotent Progenitors	LMPP	Lin ⁻ , c-Kit ^{high} , Sca-1 ^{high} , Flt3 ⁺ , IL-7R α ⁻
Common Lymphoid Progenitor	CLP	Lin ⁻ , c-Kit ^{low} , Sca-1 ^{low} , Flt3 ⁺ , IL-7R α ⁺
		* CD3e, CD8a, CD4, Gr-1, IgM, B220, CD11b, Ter119, NK-1.1, TCR $\gamma\delta$, TCR- β

* Lin markers

Supplementary Table 2: Antibodies used for FACS analyses.