Table 1. T Cell Development by the Numbers.

Population	Number	Residence time	Refs
BM[a]			
HSC	17×10^3	∞[b]	[4,14,80]
MPP	4.2×10^6	70 days	[4]
CLP	2.8×10^5	60 days	[4]
Blood[c]			
LSK	270	n.d.[d]	[18]
HSC	90	6 min	[18,24]
MPP	180	n.d.	[18,25,26]
CLP	180	n.d.	[25,26]
CTP	594	n.d.	[19]
TSP[e]	1800	n.d.	[25]
Thymus[f]			
TSP	160	60 h[g]	[38,49]
ETP	$2–3 \times 10^4$	216–288 h	[42,49]
DN2	$2–3 \times 10^4$	48–66 h	[42,49]
DN3	$2–3 \times 10^6$	48–96 h	[42,49,59]
DN3a	1.6×10^6	n.d.	[81]
DN3b	4×10^5	n.d.	[81]
DP	97×10^6	76 h	[60,61]
Pre-selection DP	88×10^6	60 h	[60,61]
Post-selection DP	8.5×10^6	16 h	[60,61]
SP	17×10^6	130 h	[60,61]
CD4 SP	12×10^6	130 h	[60,61]
CD8 SP	4×10^6	130 h	[60,61]
T regulatory	$5–8 \times 10^4$	130 h	[60,65]

[a]Based on 2.8×10^8 total nucleated cells [80].
[b]Rate of self-renewal: 1/110 to 1/10 per day.
[c]Estimated based on blood volume of 72 ml/kg body weight and 25 g body weight [82].
[d]Not determined.
[e]Lin$^-$CD135$^+$CD27$^+$.
[f]Based on $1–2 \times 10^8$ total thymocytes in 8–10-week-old mice.
[g]Time of occupancy of individual TSP niche: 9–11 days [38].

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indicated populations, respectively. TSP, thymus-seeding progenitor; LSK, Lin⁻Sca-1⁺Kit⁺; HSC, hematopoietic stem cell; MPP, multipotent progenitor; CLP, common lymphoid progenitor; CTP, circulating T lineage-committed progenitor; DN, double negative; ETP, early T lineage progenitor; DP, double positive; SP, single positive.