

Parker et al, Suppl 2

Transcription patterns of the $\lambda 5$ and CD45 genes during B cell development ^a

	pre-BI ^b				large pre-BII				small pre-BII				immature B			
	0	1	2	4	0	1	2	4	0	1	2	4	0	1	2	4
RNA signals per nucleus ^c																
CD45																
PCNA ⁻	25	4	33	1	3	3	22	7	19	7	68	5	19	5	67	9
PCNA ⁺	10	3	8	16	11	1	12	41	0	0	1	0	nd	nd	nd	nd
Total	35	7	41	17	14	4	34	48	19	7	69	5	19	5	67	9
$\lambda 5$																
PCNA ⁻	22	4	31	5	12	9	3	0	92	3	3	0	94	4	2	0
PCNA ⁺	14	1	5	18	22	9	41	4	2	0	0	0	nd	nd	nd	nd
Total	36	5	36	23	34	18	44	4	94	3	3	0	94	4	2	0

^a RNA-FISH using probes specific for CD45 and $\lambda 5$ was performed on *ex vivo* BM cells representing distinct developmental stages. ^b Cells were sorted using antibodies recognizing stage-specific surface markers. Pre-BII cells were sorted into the large and small stage using forward scatter. ^c Percentages of nuclei with 0, 1, 2 or 4 signals staining as PCNA⁻ or PCNA⁺ (S phase) are shown, except for immature B cells where PCNA was not used. The data shown is from one representative experiment. The number of nuclei counted from each fraction and for each probe was ~150.