

Lymphocyte subset Reference Ranges

Lymphocyte Subpopulations	Neonatal	1 Wk – 2 Mo	2-5 Mo	5-9 Mo	9-15 Mo	15-24 Mo	2-5 Yr	5-10 Yr	10-16 Yr	Adult
CD19 B cells	40-1100	600-1900	600-3000	700-2500	600-2700	600-3100	200-2100	200-1600	200-600	100-500
CD3+ T cells	600-500	2600-7000	2300-6500	2400-6900	1600-6700	1400-8000	900-4500	700-4200	800-3500	700-2100
CD3+CD4+ T cells	400-3500	1700-5300	1500-5000	1400-5100	1000-4600	900-5500	500-2400	300-2000	400-2100	300-1400
CD3+CD8+ T cells	200-1900	400-1700	500-1600	600-2200	400-2100	400-2300	300-1600	300-1800	200-1200	200-900
CD3-CD16+CD56+ NK cells	100-1900	200-1400	100-1300	100-1000	200-1200	100-1400	100-1000	90-900	70-1200	90-600
Unit - cells/ul										
CD4:CD8	1-4									
Unit - Ratio										

Reference : Comans-Bitter WM, de Groot R, van den Beemd R, Neijens HJ, Hop WC, Groeneveld K, Hooijkaas H, van Dongen JJ. Immunophenotyping of blood lymphocytes in childhood. Reference values for lymphocyte subpopulations. J Pediatr. 1997 Mar;130(3):388-93. doi: 10.1016/s0022-3476(97)70200-2. PMID: 9063413.