

Supplementary Table 4 - Subset proportions for all known B cell subsets in the blood. Mann-Whitney test for non-normally distributed, unpaired data. t test for normally distributed, unpaired data.

B Cell Population		Markers	Healthy (% IQR) n=15	RA (% IQR) n=29	P value
Naive		IgD ^{+ve} CD27 ^{-ve}	70.3 (14.4)	72.3 (8.2)	0.5837
Unswitched Memory		IgD ^{+ve} CD27 ^{+ve}	12.3 (8.83)	10.3 (5.54)	0.4188
Switched Memory		IgD ^{-ve} CD27 ^{+ve}	13.4 (6.9)	13.2 (6.9)	0.9233
Double Negative		IgD ^{-ve} CD27 ^{-ve}	11.4 (5.25)	13.5 (5.0)	0.2721
<hr/>					
Transitional	T1	IgD ^{+ve} CD27 ^{-ve} CD38 ^{high} CD24 ^{high}	3.68 (2.04)	3.58 (1.9)	0.8871
	T2-MZP	IgD ^{+ve} CD27 ^{-ve} CD38 ^{high} CD24 ^{high} CD21 ^{high}	0.227 (0.27)	0.226 (0.27)	0.3934
	T3	IgD ^{+ve} CD27 ^{-ve} CD38 ^{+ve} CD24 ^{+ve} CD21 ^{+ve}	1.75 (1.95)	1.67 (1.35)	0.6727
<hr/>					
Naive	Resting	CD38 ^{+ve} CD24 ^{+ve} CD21 ^{+ve}	48.6 (13.5)	47.1 (13.1)	0.7772
	Activated	CD38 ^{-ve} CD24 ^{-ve} CD21 ^{-ve}	1.13 (0.889)	2.35 (1.52)	0.0091
	Anergic	CD38 ^{+ve/low} CD24 ^{+ve} CD21 ^{-ve}	6.61 (4.0)	5.79 (2.2)	0.6773
<hr/>					
Memory	Unswitched	CD38 ^{+ve/low} CD24 ^{+ve} CD21 ^{+ve}	10.1 (8.2)	8.09 (4.6)	0.3139
	IgM ^{+ve} Only	IgD ^{-ve} IgM ^{+ve} CD27 ^{+ve} CD38 ^{+ve/low} CD24 ^{+ve} CD21 ^{+ve}	2.86 (2.1)	1.32 (0.718)	0.0008
	Switched	CD38 ^{+ve/low} CD24 ^{+ve} CD21 ^{+ve}	6.92 (4.92)	5.36 (3.5)	0.2855
	Resting Switched Active	CD38 ^{-ve} CD24 ^{-ve} CD21 ^{-ve}	0.607 (0.50)	1.24 (1.07)	0.0943
<hr/>					
Double Negative	DN1	CD38 ^{+ve} CD24 ^{+ve} CD21 ^{+ve}	7.28 (3.9)	6.78 (3.94)	0.3479
	DN2	CD38 ^{-ve} CD24 ^{-ve} CD21 ^{-ve}	0.757 (0.77)	1.51 (0.59)	0.0003
<hr/>					
ASC		CD27 ^{high} CD20 ^{-ve}	1.33 (0.92)	2.43 (2.0)	0.5278
<hr/>					
B1		IgD ^{high} CD27 ^{+ve}	0.691 (0.92)	0.933 (0.81)	0.6027