

Table 1: T and B cell subset and chimerism analysis

Chimeric state [§]		Spleen			CD4/CD8 ratio	Thymus thymocytes	
		CD19 ⁺	CD3 ⁺	TCD4 ⁺			
NCM		0 [0-5] (n= 64)	0 [0-7] (n= 67)	1 [0 - 7] (n= 21)	0 [0 - 3] (n= 21)	2.3 [1.4 - 3.2] (n= 21)	1 [0 - 5] (n= 25)
MCM	healthy	85 [32 - 100] (n= 20)	76 [27 - 98] (n= 23)	77 [15 - 80] (n= 8)	74.5 [5 - 80] (n= 8)	3.0 [1 .2 - 5.3] (n= 8)	63.5 [10 - 90] (n= 12)
MCM	cGvHD	17.5 [0 - 76]* (n= 16)	80 [42 - 100] (n= 19)	75 [24 - 80] (n= 8)	78.5 [72 - 86] (n= 8)	0.7 [0.3 - 1.4]* (n=8)	61 [7 - 87] (n= 7)
FDCM		100 [94 - 100] (n= 34)	100 [91 - 100] (n= 37)	98 [90 - 98] (n= 7)	95 [90 - 98] (n= 7)	3.0 [0.8 - 4.6] (n= 7)	98 [88 - 100] (n= 10)

Results from 2-4 independent experiments are expressed as median [range] of donor derived cells, except for CD4/CD8 ratio that represent the percentage of CD4 T cells divided by the percentage of CD8 T cells whatever their origin. Representative cytometric profiles for B and T chimerism were shown Figure 4. Staining was performed on fresh cells, except in three mice per group for which CD3/CD4/CD8/H-2q staining was performed on frozen spleen cells. Chimeric state is defined by cytometry on lymphoid spleen cells; thymocytes represent double positive thymocytes as well as single positive thymocytes.

*The difference in the values between healthy MCM and cGVHD MCM groups is statistically significant ($P < 0.05$, Student t test).

NCM, nonchimeric mice; MCM, mixed chimeric mice; FDCM, full donor chimeric mice.

Table 2: Dendritic cell subset and chimerism analysis

Chimeric state [§]		Spleen			Thymus DC (CD11c ⁺)
		mDC	pDC	mDC/pDC ratio	
NCM	n= 22	1.5 [0 - 4]	1 [0 - 5]	3.3 [0.8 - 18]	1 [0 - 5]
MCM:					
healthy	n= 10	74.5 [5 - 99]	84 [3 - 100]	2.2 [1.2-21.3]	50 [10 - 90]
cGvHD	n= 9	78 [27 - 96]	86 [15 - 97]	3.3 [0.4 - 30]	47 [20 - 84]
FDCM	n= 9	93 [92 - 97]	98 [92 - 100]	1.4 [0.7 - 6.5]	100 [95 - 100]

Results from 3 independent experiments are expressed as median [range] of donor derived cells, except for mDC/pDC ratio, which represents the percentage of mDC divided by the percentage of pDC whatever their origin. Dendritic cell gating was performed by cytometry as previously reported (12). Chimeric state is defined by cytometry on lymphoid spleen cells. No statistical difference was observed between any groups.

NCM: nonchimeric mice; MCM: mixed chimeric mice; FDCM: full donor chimeric mice; myeloid dendritic cells (mDC) were defined as CD11c⁺ B220⁻ cells; plasmacytoid dendritic cells (pDC) were defined as CD11c⁺ B220⁺.