

1

2 **Supplementary Information**

3

4 **Maternal Dendritic Cells Influence Fetal Allograft Response and Tolerance**

Karthikeyan Kandasamy¹, Nuryanti Binti Johana³, Lay Geok Tan^{1,2}, Yvonne Tan³, Julie Yeo Su Li³, Zhihui Li⁵, Jiayu Koh⁵, Florent Ginhoux^{6,7,8}, Jerry KY Chan^{1,3,4}, Mahesh Choolani^{1,2}, Citra NZ Mattar^{1,2, *}

6 **Supplementary table 1a:** Calculated raw data representing immune profile of DT+plUT donor cells, maternal immune cells, and recipient cells in BM and PB. Data represents
7 mean $\pm$ SEM, analysed by two-way ANOVA with Tukey's multiple comparisons test. Representative bar graphs are displayed in figure 2a-f.

		With maternal DC depletion (DT+)																	
		Total DCC		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Donor immune cells - BM	0	11.86	9.38	0.85	0.49	0.38	0.26	0.02	0.01	4.49	0.35	0.02	0.01	0.01	0.02	0.00	0.00	1.90	1.44
	4	2.23	1.28	0.10	0.04	0.08	0.04	0.01	0.02	9.48	6.44	0.02	0.02	0.01	0.02	0.02	0.01	0.81	0.41
	8	5.63	8.09	0.06	0.01	0.04	0.01	0.01	0.01	4.14	2.07	0.01	0.01	0.00	0.00	0.01	0.01	1.46	1.61
	12	13.84	1.17	0.03	0.02	0.02	0.01	0.00	0.01	1.31	0.19	0.02	0.01	0.01	0.01	0.01	0.01	0.91	0.25
Donor immune cells - PB	0	8.22	5.94	6.00	5.80	1.77	0.89	0.00	0.00	22.07	15.57	0.24	0.34	0.24	0.34	0.24	0.34	3.70	3.61
	4	2.41	1.82	5.04	3.11	2.39	2.20	1.57	0.64	15.45	7.13	0.11	0.20	0.11	0.20	0.11	0.20	2.76	2.06
	8	0.53	0.91	1.99	1.60	0.98	1.08	0.57	0.06	26.39	17.26	0.18	0.31	0.09	0.16	0.09	0.16	3.89	4.72
	12	0.82	0.52	2.03	1.56	1.48	1.02	0.40	0.48	12.86	0.56	0.28	0.20	0.28	0.20	0.20	0.26	2.59	0.15
		Total MMc		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Maternal immune cells - BM	0	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50
	4	0.89	0.44	0.07	0.04	0.06	0.04	0.00	0.00	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.39
	8	0.50	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.48	0.01	0.01	0.00	0.00	0.00	0.00	3.34	1.78
	12	0.52	0.24	0.09	0.03	0.01	0.01	0.08	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.31
Maternal immune cells - PB	0	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.96	0.64	6.12	6.12	2.04	2.04	0.68	0.68	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	5.53	2.35
	8	0.22	0.08	0.30	0.30	0.00	0.00	0.00	0.00	1.88	1.05	0.00	0.00	0.00	0.00	0.00	0.00	5.66	2.17
	12	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	4.22	1.26	0.00	0.00	0.00	0.00	0.00	0.00	5.82	2.86
				CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks			Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Recipient immune cells - BM	0			0.82	0.35	0.36	0.21	0.07	0.01	8.59	4.20	0.14	0.03	0.09	0.07	0.03	0.01	1.37	0.65
	4			0.36	0.14	0.16	0.03	0.10	0.07	35.28	16.60	0.10	0.02	0.06	0.02	0.08	0.02	0.74	0.14
	8			1.33	0.11	0.49	0.08	0.64	0.09	37.39	1.77	0.20	0.01	0.05	0.03	0.16	0.01	1.38	0.60
	12			1.35	0.02	0.57	0.03	0.53	0.07	23.03	2.37	0.28	0.04	0.27	0.04	0.24	0.03	1.03	0.13
	0			1.80	0.43	8.50	2.17	1.07	0.65	20.51	0.64	0.68	0.13	0.45	0.36	0.45	0.25	1.98	0.39

Recipient immune cells - PB	4			10.96	5.22	23.41	10.68	11.98	5.60	11.60	3.20	0.18	0.09	0.08	0.07	0.17	0.09	2.70	0.71
	8			23.01	4.88	29.80	5.52	18.80	0.95	21.61	3.05	0.30	0.13	0.03	0.01	0.28	0.12	7.37	1.56
	12			19.94	2.94	19.93	0.48	14.09	0.26	34.29	3.69	0.30	0.09	0.30	0.09	0.28	0.09	9.73	0.13

8

9

10
11

Supplementary table 1b: Calculated raw data representing immune profile of DT-pIUT donor cells, maternal immune cells, and recipient cells in BM and PB. Data represents mean ± SEM, analysed by two-way ANOVA with Tukey’s multiple comparisons test. Representative bar graphs are displayed in figure 2a-f.

		Without maternal DC depletion (DT-)																	
		Total DCC		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Donor immune cells - BM	0	22.54	2.23	1.93	1.34	0.73	0.54	0.03	0.01	2.46	0.99	0.01	0.01	0.01	0.01	0.01	0.01	4.19	4.85
	4	11.99	10.16	0.10	0.00	0.05	0.00	0.02	0.00	4.14	1.41	0.01	0.00	0.00	0.00	0.01	0.00	0.70	0.00
	8	1.97	0.23	0.03	0.00	0.03	0.00	0.00	0.00	1.48	0.68	0.01	0.00	0.00	0.00	0.01	0.00	1.27	0.00
	12	14.56	12.35	0.18	0.00	0.17	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.32	0.00
Donor immune cells - PB	0	13.68	4.50	4.37	2.11	2.69	1.85	0.74	0.36	28.12	17.66	0.30	0.42	0.30	0.42	0.56	0.79	0.78	0.16
	4	4.46	0.15	9.52	0.00	4.05	0.00	0.01	0.00	72.06	2.91	0.00	0.00	0.00	0.00	0.00	0.00	4.55	0.77
	8	4.19	0.02	0.44	0.00	0.35	0.00	0.01	0.01	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00
	12	0.97	0.04	0.88	0.00	0.71	0.00	0.01	0.01	9.36	0.00	0.19	0.01	0.20	0.00	0.15	0.07	4.56	0.79
		Total MMc		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Maternal immune cells - BM	0	0.06	0.05	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.59	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
	8	0.31	0.00	0.17	0.00	0.09	0.00	0.09	0.00	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00
	12	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00
Maternal immune cells - PB	0	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	3.12	0.00	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	3.27
	8	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.72
	12	0.11	0.00	0.51	0.51	0.51	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.56
				CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks			Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Recipient immune cells - BM	0			1.96	0.90	0.91	0.52	0.08	0.01	6.20	0.72	0.16	0.06	0.15	0.07	0.07	0.01	2.89	2.41
	4			0.60	0.00	0.21	0.00	0.22	0.00	39.18	0.00	0.15	0.00	0.02	0.00	0.11	0.00	0.84	0.00
	8			2.05	0.00	0.97	0.00	0.93	0.00	37.01	0.00	0.16	0.00	0.09	0.00	0.11	0.01	1.32	0.00
	12			0.72	0.00	0.31	0.00	0.27	0.00	3.46	0.00	0.09	0.00	0.08	0.00	0.07	0.00	0.78	0.00
	0			7.24	1.46	3.95	0.96	0.99	0.41	35.99	8.26	1.05	0.42	0.96	0.47	0.38	0.05	0.59	0.14

Recipient immune cells - PB	4			12.30	0.00	5.08	0.00	0.35	0.00	71.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.00
	8			35.23	0.00	21.19	0.00	13.43	0.00	25.20	0.00	0.14	0.00	0.08	0.00	0.12	0.00	8.63	0.00
	12			28.52	0.00	13.97	0.00	13.90	0.00	41.82	0.00	0.26	0.00	0.26	0.00	0.23	0.00	8.49	0.00

12

13

14
15

Supplementary table 2a: Calculated raw data representing immune profile of DT+miUT donor cells, maternal immune cells, and recipient cells in BM and PB. Data represents mean± SEM, analysed by two-way ANOVA with Tukey’s multiple comparisons test. Representative bar graphs are displayed in figure 3a-f.

		With maternal DC depletion (DT+)																	
		Total DCC		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Donor immune cells - BM	0	0.66	0.66	36.54	6.95	2.94	1.42	24.04	2.30	0.34	0.34	0.79	0.79	0.73	0.73	0.63	0.63	7.39	5.66
	4	0.01	0.00	35.29	0.00	0.00	0.00	14.71	0.00	38.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.00
	8	0.01	0.00	62.96	0.00	0.00	0.00	14.81	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.56	0.00
	12	0.01	0.00	6.94	0.00	0.00	0.00	5.56	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.00
Donor immune cells -PB	4	0.01	0.01	35.87	0.00	1.09	0.00	26.09	0.00	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.43	0.00
	8	0.04	0.03	11.30	0.00	2.61	0.00	1.74	0.00	6.96	0.00	0.85	0.00	0.85	0.00	0.85	0.00	6.09	0.00
	12	0.01	0.00	16.10	0.00	1.69	0.00	8.47	0.00	2.54	0.00	2.36	0.00	1.57	0.00	2.36	0.00	3.39	0.00
		Total MMc		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Maternal immune cells - BM	0	0.11	0.04	2.09	2.09	1.05	1.05	0.00	0.00	0.55	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.13
	4	2.48	0.48	0.00	0.00	0.00	0.00	0.00	0.00	1.69	0.02	0.00	0.00	0.00	0.00	0.00	0.00	5.12	0.00
	8	2.08	0.08	0.06	0.00	0.01	0.00	0.02	0.00	1.89	0.09	0.02	0.00	0.00	0.00	0.00	0.00	6.18	0.00
	12	0.46	0.06	0.20	0.00	0.18	0.02	0.00	0.00	0.10	0.00	0.00	0.00	0.01	0.01	0.00	0.00	6.12	0.00
Maternal immune cells - PB	4	0.64	0.00	6.86	0.00	3.79	0.00	0.12	0.00	0.25	0.00	0.01	0.00	0.01	0.00	0.00	0.00	4.36	0.00
	8	0.97	0.00	9.64	0.00	3.57	0.00	3.06	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.86	0.00
	12	0.01	0.00	3.94	0.00	1.18	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.69	0.00
				CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks			Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Recipient immune cells - BM	0			1.13	0.75	0.61	0.49	0.26	0.11	27.66	13.80	0.31	0.04	0.29	0.02	0.18	0.02	1.71	0.32
	4			0.62	0.00	0.20	0.00	0.24	0.00	25.24	25.24	0.06	0.00	0.06	0.00	0.04	0.00	3.05	0.00
	8			0.38	0.00	0.22	0.00	0.10	0.00	5.76	5.76	0.17	0.00	0.17	0.00	0.15	0.00	3.48	0.00
	12			1.05	0.00	0.54	0.00	0.38	0.00	7.18	7.18	0.18	0.00	0.18	0.00	0.16	0.00	2.46	0.00
Recipient immune cells - PB	4			21.63	21.63	14.66	14.66	5.18	5.18	7.60	7.60	0.09	0.00	0.09	0.00	0.07	0.00	3.93	3.93
	8			25.76	25.76	16.88	16.88	7.64	7.64	6.06	6.06	0.38	0.00	0.37	0.00	0.34	0.00	10.30	10.30
	12			17.63	17.63	11.93	11.93	5.17	5.17	5.35	5.35	0.14	0.00	0.14	0.00	0.10	0.00	17.30	17.30

16

17
18

Supplementary table 2b: Calculated raw data representing immune profile of DT-mIUT donor cells, maternal immune cells and recipient cells in BM and PB. Data represents mean ± SEM, analysed by two-way ANOVA with Tukey’s multiple comparisons test. Representative bar graphs are displayed in figure 3a-f.

		Without maternal DC depletion (DT-)																	
		Total DCC		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Donor immune cells - BM	0	0.90	0.00	62.21	0.00	9.45	0.00	48.53	0.00	9.77	0.00	1.02	0.00	0.27	0.00	0.40	0.00	1.30	0.00
	4	0.01	0.00	22.22	0.00	22.22	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Donor immune cells - PB	4	11.14	0.00	71.97	0.00	4.71	0.00	63.90	0.00	1.80	0.01	0.91	0.01	0.37	0.00	0.35	0.01	8.47	0.05
	8	0.10	0.00	79.17	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.14	0.04
	12	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total MMc		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Maternal immune cells - BM	0	1.68	1.68	2.63	0.00	0.70	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
	4	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	8.11	8.11	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.00
	8	0.02	0.02	5.41	0.00	0.00	0.00	5.41	0.00	24.33	24.33	0.03	0.00	0.03	0.00	0.00	0.00	10.81	0.00
	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maternal immune cells - PB	4	0.07	0.07	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	0.14	0.14	1.54	0.00	0.00	0.00	0.00	0.00	9.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.46	0.00
	12	0.32	0.32	5.67	0.00	2.09	0.00	1.34	0.00	11.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.15	0.00
				CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks			Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Recipient immune cells - BM	0			2.76	2.76	2.54	0.00	0.92	0.92	22.56	22.56	0.27	0.00	0.04	0.00	0.10	0.00	0.22	0.22
	4			0.98	0.98	0.63	0.00	0.48	0.48	47.20	47.20	0.17	0.00	0.16	0.00	0.13	0.00	0.28	0.28
	8			0.88	0.88	0.50	0.00	0.39	0.39	46.67	46.67	0.15	0.00	0.15	0.00	0.12	0.00	0.50	0.50
	12																		
Recipient immune cells - PB	4			1.45	1.45	0.43	0.43	0.56	0.56	39.34	39.34	0.42	0.00	0.16	0.00	0.14	0.00	4.63	0.00
	8			33.07	33.07	18.17	18.17	14.18	14.18	7.86	7.86	0.09	0.00	0.09	0.00	0.08	0.00	12.00	0.00
	12			21.52	21.52	13.44	13.44	7.25	7.25	19.91	19.91	0.41	0.00	0.40	0.00	0.36	0.00	10.99	0.00

19 **Supplementary table 3a:** Calculated raw data representing immune profile of DT+aIUT donor cells, maternal immune cells and recipient cells in BM and PB. Data represents
20 mean $\pm$ SEM, analysed by two-way ANOVA with Tukey's multiple comparisons test. Representative bar graphs are displayed in extended data figure S3a-f.

		With maternal DC depletion (DT+)																	
		Total DCC		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Donor immune cells - in BM	0	0.87	0.33	25.01	14.14	12.69	9.51	4.70	0.18	0.85	0.27	4.49	2.17	3.35	1.87	4.21	2.26	5.42	1.48
	4	0.51	0.00	13.79	13.79	0.13	0.13	6.48	6.48	1.70	1.70	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00
	8	0.25	0.00	17.82	17.82	2.43	2.43	4.91	4.91	3.15	3.15	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00
	12	0.04	0.01	32.72	3.49	12.75	9.67	5.34	2.75	12.04	0.89	1.33	1.33	0.73	0.73	1.09	1.09	2.07	0.53
Donor immune cells - in PB	4	0.77	0.00	64.29	0.00	16.43	0.00	23.57	0.00	2.86	0.00	0.29	0.29	0.29	0.29	0.29	0.29	0.00	0.00
	8	0.95	0.00	64.14	0.00	21.21	0.00	14.65	0.00	1.52	0.00	1.39	0.00	1.39	0.00	1.39	0.00	0.51	0.00
	12	0.05	0.03	44.29	15.29	32.47	15.40	5.67	3.54	12.38	2.81	2.26	0.19	1.05	1.05	1.92	0.54	5.38	1.12
		Total MMc		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Maternal immune cells - BM	0	1.02	1.01	5.07	0.06	3.35	1.78	0.08	0.08	0.02	0.02	0.00	0.00	0.02	0.00	0.09	0.00	13.27	2.12
	4	0.06	0.05	0.05	0.05	0.05	0.05	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20	7.10
	8	0.01	0.00	25.05	24.95	25.05	24.95	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
	12	1.37	0.33	0.03	0.02	0.02	0.02	0.00	0.00	0.50	0.17	0.03	0.00	0.01	0.00	0.00	0.00	10.82	0.43
Maternal immune cells - PB	4	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
	8	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
	12	0.09	0.07	2.37	2.37	0.94	0.94	0.58	0.58	3.00	1.85	0.11	0.00	0.00	0.00	0.00	0.00	31.12	11.61
				CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks			Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Recipient immune cells - BM	0			7.57	5.77	4.38	3.12	1.63	1.47	8.41	1.74	0.62	0.07	0.52	0.06	0.31	0.04	6.20	2.22
	4			0.24	0.14	0.14	0.04	0.11	0.01	3.37	3.27	0.09	0.00	0.04	0.00	0.06	0.00	0.87	0.77
	8			3.32	3.22	1.00	0.90	1.76	1.66	9.14	9.04	0.24	0.00	0.01	0.00	0.18	0.00	0.83	0.73
	12			0.67	0.17	0.29	0.03	0.23	0.08	19.69	2.19	0.25	0.07	0.14	0.07	0.21	0.07	4.43	1.82
Recipient immune cells - PB	4			18.77	18.67	10.87	10.77	6.79	6.69	5.14	5.04	0.46	0.00	0.15	0.00	0.41	0.00	4.43	4.33
	8			28.75	28.65	17.32	17.22	10.75	10.65	8.14	8.04	0.35	0.00	0.03	0.00	0.30	0.00	9.19	9.09
	12			38.67	4.21	22.65	2.65	14.57	1.70	25.28	2.24	0.45	0.08	0.19	0.09	0.38	0.08	14.68	3.66

21 **Supplementary table 3b:** Calculated raw data representing immune profile of DT-aIUT donor cells, maternal immune cells and recipient cells in BM and PB. Data represents
22 mean $\pm$ SEM, analysed by two-way ANOVA with Tukey's multiple comparisons test. Representative bar graphs are displayed in extended data figure S3a-f.

		Without maternal DC depletion (DT-)																	
		Total DCC		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Donor immune cells - in BM	0	0.22	0.20	34.58	15.70	18.41	9.28	4.05	0.66	10.63	9.15	2.54	0.37	0.69	0.03	1.99	0.54	1.81	0.12
	4	0.02	0.01	28.21	11.93	2.15	0.18	13.92	10.43	14.09	6.85	0.30	0.30	0.00	0.00	0.30	0.30	1.17	1.17
	8	0.03	0.00	38.34	0.00	21.24	0.00	1.04	0.00	30.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	0.06	0.02	19.14	1.01	8.57	6.05	6.21	3.87	10.64	3.04	0.49	0.16	0.39	0.05	0.39	0.05	3.00	0.12
Donor immune cells - in PB	4	0.04	0.02	26.11	17.06	19.31	13.78	3.76	2.00	18.05	10.01	0.18	0.18	0.15	0.15	0.18	0.18	2.77	2.27
	8	0.05	0.00	71.01	0.00	61.35	0.00	2.42	0.00	8.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00
	12	0.07	0.01	74.61	0.91	57.85	6.34	5.42	3.87	7.40	0.44	0.39	0.00	0.19	0.00	0.19	0.00	0.93	0.16
		Total MMc		CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Maternal immune cells - BM	0	1.15	0.87	2.26	0.37	1.07	0.09	0.01	0.01	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	2.47	1.65
	4	0.92	0.88	0.02	0.02	0.01	0.01	0.01	0.01	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	3.37	2.54
	8	2.59	0.00	0.25	0.00	0.06	0.00	0.15	0.00	2.45	0.00	0.02	0.00	0.00	0.00	0.02	0.00	2.91	0.00
	12	0.91	0.41	0.05	0.02	0.03	0.03	0.02	0.02	0.42	0.26	0.04	0.01	0.01	0.01	0.02	0.00	23.11	8.83
Maternal immune cells - PB	4	0.06	0.01	1.63	0.97	0.15	0.15	0.91	0.25	1.22	0.23	0.00	0.00	0.00	0.00	0.00	0.00	9.47	1.22
	8	0.16	0.00	6.81	0.00	1.78	0.00	4.05	0.00	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.85	0.00
	12	0.10	0.02	1.64	1.24	0.30	0.00	2.41	0.00	8.87	0.88	0.25	0.00	0.16	0.00	0.08	0.00	45.37	5.61
				CD3		CD4		CD8		CD19		cDC		cDC1		cDC2		NK1.1	
	Weeks			Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM	Mean	SEM
Recipient immune cells - BM	0			3.66	1.45	1.86	0.59	0.79	0.18	28.45	16.66	0.29	0.02	0.08	0.02	0.13	0.01	2.32	0.06
	4			0.85	0.31	0.38	0.14	0.34	0.15	15.47	0.20	0.11	0.02	0.09	0.01	0.09	0.01	1.27	0.12
	8			1.00	0.00	0.56	0.00	0.32	0.00	48.98	0.00	0.18	0.00	0.14	0.00	0.15	0.00	1.80	0.00
	12			0.75	0.11	0.39	0.04	0.28	0.07	24.10	6.90	0.24	0.01	0.21	0.01	0.20	0.01	3.00	1.47
Recipient immune cells - PB	4			34.34	5.25	22.84	3.45	10.57	1.88	37.78	5.01	0.65	0.14	0.61	0.13	0.56	0.10	6.17	0.02
	8			24.55	24.55	16.21	16.21	6.75	6.75	13.21	13.21	0.27	0.00	0.24	0.00	0.23	0.00	6.01	6.01
	12			30.35	3.22	19.73	2.00	9.70	1.34	37.66	3.02	0.39	0.02	0.32	0.00	0.30	0.01	14.76	0.75