

# Figure S2.

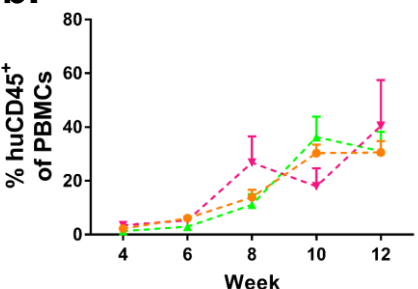
**a.**

Tissue		Species	CD34 <sup>+</sup> Purity	Mice transplanted	HLA-A		HLA-B		HLA-C		DRB		DQB	
Fetal Liver	HLA-A2 <sup>+</sup> CD34 <sup>+</sup>	Human	87%	15	02:01:01	31:01:02	07:02:01	07:02:01	15	07:02:01	15:01:01	03:01:01	02:01:01	02:04
Fetal Liver	HLA-A2 <sup>+</sup> CD34 <sup>+</sup>	Human	94%	3	02:01:01	29:02:01	07:02:01	44:03:00	07:02:01	08:02:01	07:01:01	04:08:01	02:02:01	3:01:01
Fetal Thymus	HLA-A2 <sup>+</sup> Thy	Human	-	6	01:01:01	02:01:01	45:01	40:01:01	03:04:01	06:02:01	13:02:01	09:01:02	02:01:01	06:04:01
Fetal Thymus	HLA-A2 <sup>+</sup> Thy	Human	-	1	02:01:01	29:02:01	07:02:01	44:03:00	07:02:01	08:02:01	07:01:01	04:08:01	02:02:01	3:01:01
Fetal Thymus	HLA-A2 <sup>-</sup> Thy	Human	-	4	01:01:01	30:02:01	07:01:01	08:02:01	14:02:01	58:01	15:03:01	04:04:01	06:02:01	03:02:01

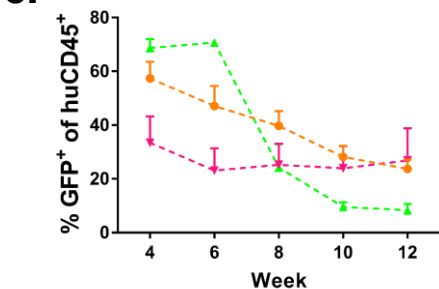
  

					Haplotype			
					MHC Class I		MHC Class II	
Fetal Thymus	Swine Thy	Swine	-	5	C	D	A	C
Fetal Thymus	Swine Thy	Swine	-	2	D	D	D	D

**b.**

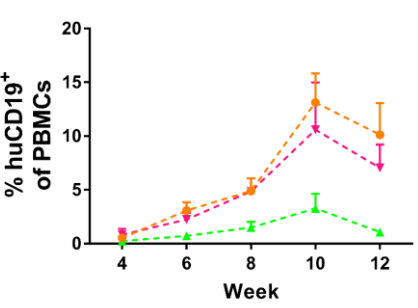


**c.**

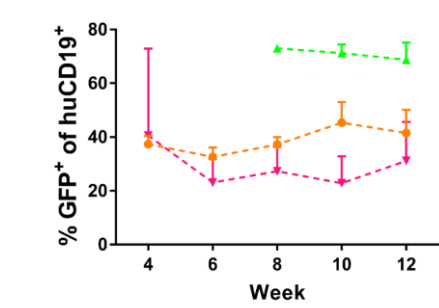


—●— MART1 TCR HLA-A2<sup>+</sup> Thymus  
—▼— MART1 TCR Swine Thymus  
—▲— MART1 TCR HLA-A2<sup>-</sup> Thymus

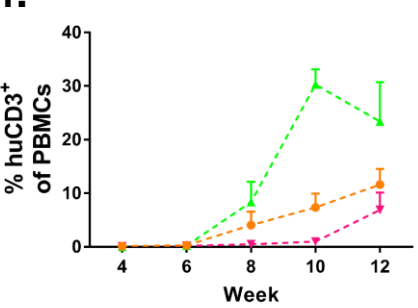
**d.**



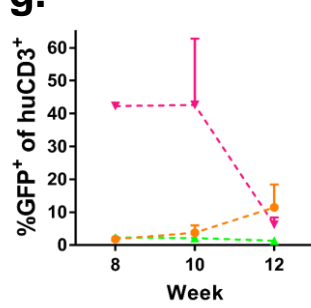
**e.**



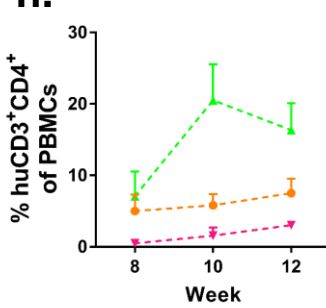
**f.**



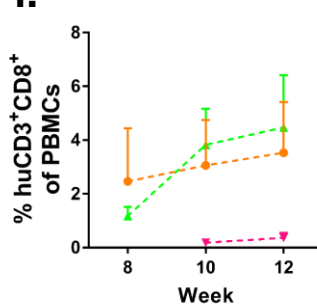
**g.**



**h.**



**i.**



**Figure S2: a.** Table of fetal tissues used in transplantation experiments, including detailed molecular HLA-typing. Peripheral blood chimerism of transplanted mice. Data is a compilation of chimerism data from A2<sup>+</sup> n = 6, Sw = 6 and A2<sup>-</sup> n = 4 mice. **b.** human CD45<sup>+</sup>; **c.** % GFP<sup>+</sup> of total human PBMCs; **d.** CD19<sup>+</sup> B cell chimerism in PBMCs; **e.** % GFP<sup>+</sup> of human B cells; **f.** CD3<sup>+</sup> T cell chimerism in PBMCs; **g.** % GFP<sup>+</sup> of human T cells; **h.** CD3<sup>+</sup>CD4<sup>+</sup> and **i.** CD3<sup>+</sup>CD8<sup>+</sup> T cells. Mean + SEM is shown. Some data points are excluded because proportions of B cells, T cells, %GFP<sup>+</sup> cells in a given population, and T cell subset were only included when greater than 50 events were detected in the preceding gate. T cells develop more slowly in transplanted mice than do B cells, so %GFP<sup>+</sup> and subset were only assessed from weeks 8-12 post-transplant.