

Supplementary Table 2. Lymphocyte characteristics in the organs of Rag-1 mice treated by gene therapy.

Mouse 1 (4 months after gene transfer)	PBL cell/mm ³	Thymus x10 ⁶ cells	Spleen x10 ⁶ cells	Lymph nodes x10 ⁶ cells	Bone marrow x10 ⁶ cells
Cell number	3 100	12.6	20	18	36
T lymphocytes CD4 ⁺ CD3 ⁺ CD8 ⁺ CD3 ⁺	14% 8%	7% 3.8% 78%CD8 ⁺ CD4 ⁺	34% 8%	32% 18%	1% 2%
B lymphocytes B220 ⁺ B220 ⁺ IgM ⁺	11% 7%	ND	35% 28%	40% 32%	5% 1%
hRAG-1 (copy/cell)	ND	8.9	9	15	6.5
hRAG-1 expression (%)	ND	37	12.5	13	24

Mouse X (6 months after gene transfer)	PBL cell/mm ³	Thymus x10 ⁶ cells	Spleen x10 ⁶ cells	Lymph nodes x10 ⁶ cells	Bone marrow x10 ⁶ cells	Liver
Cell number	6 000	0.7	510	0,5	19	ND
T lymphocytes CD4 ⁺ CD3 ⁺ CD8 ⁺ CD3 ⁺	21% 18%	5% 18% 80%CD8 ⁺ CD3 ⁻ 10%CD8 ⁺ CD4 ⁺	0% 0%	52% 18%	3% 3% 50% CD4 ⁺ CD8 ⁺	ND
B lymphocytes B220 ⁺ B220 ⁺ IgM ⁺	24% 20%	ND	2% 1.5%	17% 12.5%	6% 3.8%	ND
hRAG-1 (copy/cell)	ND	5	25	8	15	23
hRAG-1 expression (%)	ND	ND	3.5	ND	5.8	2.6

Mouse 215 (6 months after secondary transplantation)	PBL cell/mm ³	Thymus x10 ⁶ cells	Spleen x10 ⁶ cells	Lymph nodes x10 ⁶ cells	Bone marrow x10 ⁶ cells
Cell number	22 200	45	310	630	12
T lymphocytes CD4 ⁺ CD3 ⁺ CD8 ⁺ CD3 ⁺	2% 1%	7% 13% 0% CD8 ⁺ CD4 ⁺ 95% CD44 ⁺	7% 2%	12% 4%	2% 2%
B lymphocytes B220 ⁺ B220 ⁺ IgM ⁺	60% 1%	ND	76% 2%	60% 1%	18% <1%
hRAG-1 (copy/cell)	ND	8	10	9	1
hRAG-1 expression (%)	ND	5.8	5.2	8.2	1.8

ND = not done

Cytologic analysis was performed on spleen cells from mouse X (A) and mouse 215 (B). May Grünwald-Giemsa staining was performed on cytospin slides. Images were visualized using a Leica DM :RB microscope equipped with a 40X/0.7 objective lens and a Leica 350F camera (Leica, Wetzlar, Germany).

